OXMEDICA GLOBAL EDUCATION PROSPECTUS

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Introduction to Oxmedica Global Education

Oxmedica Global Education Focuses on two areas of core competence.

First, we specialise in working with government institutions in producing bespoke academic enrichment programs for students across a range of different subjects. We are used to designing programs with the particular requirements and specifications of different institutions and governments, aiming to offer flexibility and comprehensiveness to our clients.

Second, we develop our own private programming without institutional partners.

One of our core strengths lies in our deep network of elite teaching faculty, drawn from the world's finest universities as well as the ranks of highly successful industry professionals. Each of the three members of the Oxmedica Executive Team holds a doctoral degree from the University of Oxford or the University of Cambridge. We include representative biographies of some of our tutors in the below case studies.

Executive Management Team

Dr David Pettitt

Managing Partner

Dr David Pettitt is a medical doctor and academic surgeon. He graduated from the University of Liverpool with the highest award of honours, obtained a degree in Management from Imperial College London's Business School and was the SENS Research Foundation Scholar at the University of Oxford during his DPhil (PhD) degree in stem cell commercialization. He undertook postgraduate training in London and Plastic & Reconstructive Surgery training in the Oxford Deanery, and was appointed as the Sir David Cooksey Fellow in Healthcare Translation at the University of Oxford. He is the recipient of over twenty-five academic awards, has published in numerous high impact journals and regularly presents to national and international audiences. He has been a member of teaching faculty at Imperial College London and Oxford Medical School.



Education

- University of Oxford
- » DPhil/PhD; SENS RF Scholar
- » Sir David Cooksey Fellow
- Royal College of Surgeons, England
- » MRCS (Part A)
- University of Liverpool
- » MBChB; Distinction
- Imperial College London
- » BSc (Hons) Management and Medical Sciences

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Dr James Cetkovski

Managing Partner

Dr James Cetkovski is presently Lecturer in English at St Peter's College, and Supernumerary Research and Teaching Fellow at the Rothermere American Institute, at the University of Oxford. He holds a doctorate in English from the University of Oxford, where he researches twentieth century literature from a sociological perspective. James was elected to Phi Beta Kappa after graduating with highest honours with a bachelor's degree from Amherst College in the United States. He earned a master's degree with distinction from Oxford prior to beginning his DPhil (PhD) work. He has served in both Program Director and Academic Director roles and has worked as an educational consultant in Hong Kong. In his spare time James plays squash, in which he has represented his county as well as the University of Oxford in two Varsity Matches against Cambridge.



Education

- University of Oxford
- » Stipendiary Lecturer in English, New College
- » DPhil/PhD; Esmond Harmsworth Scholar
- » Doctoral Award, SSHRC
- University of Oxford
- » MSt (Distinction)
- Amherst College (USA)
- Magna cum laude, Phi Beta Kappa (top 10% of graduating class)

Dr Lin Li

Partner

Dr Lin Li has had more than ten years of experience teaching English and English Literature in both Singapore and in the UK. As a teaching assistant at the National University of Singapore, she was awarded the highest honours accolade for graduate tutors in recognition of her outstanding contribution to curriculum planning and classroom teaching. In 2015, she received the Tan Kah Kee Postgraduate Scholarship (Singapore), which is awarded to ten scholars in recognition of their excellence in academic research and contribution to the community. She graduated with a PhD in English from the University of Cambridge in 2017 without corrections for her research on residual figuration in theatre and visual art. She has extensive experience creating and delivering SAT preparatory content across a number of institutional contexts, and has worked as an application consultant for Chinese students aspiring to study at elite UK university. She performs the piano regularly and holds a Licentiate in Piano Performance from ABRSM.



Education

- University of Cambridge
- » PhD; English
- National University of Singapore
- » BA English
- » MA English
- » Tan Kah Kee Postgraduate Scholar

Dr Gauri Ang

Academic Coordinator

Dr Gauri Ang graduated from the University of Oxford where she completed her doctoral studies in Neuroscience as a Wellcome Trust scholar. She was part of the Sleep and Neuroscience Institute where she investigated the role of genes in disrupted sleep and cognition. She also holds a first-class BSc in Biomedical Sciences from University College London, where she received yearly examination prizes and awards, and graduated as the top finalist in her course. Gauri has multiple years of experience teaching Neuroscience, Medicine, and Global Health to students from various countries aged between 13 and 21.



Education

- University College London
- » BSc Biomedical Sciences
- > Top finalist
- University of Oxford
- » DPhil/PhD
- » Wellcome Trust Scholar

Miss Victoria Ingram Welfare Director

Victoria Ingram graduated from Kings College London in 2009 with a First Class Honours degree in Physiotherapy, and the King's myScholarship Award for the highest performing graduate in her year. Vicki has since worked for leading teaching hospitals in central London and currently works as a Specialist Musculoskeletal Physiotherapist for the British Civil Service. She regularly teaches and supervises undergraduate and postgraduate students, and has experience leading a team with responsibilities including welfare, management and program co-ordination. Alongside work she enjoys playing badminton, having previously represented England internationally.



Education

- Kings College London
- » BSc Physiotherapy
- » King's myScholarship Award
- British Civil Servant
- » MSK specialist

Dr Chloe Walker

Curriculum Coordinator

Chloe is an Educator. She is currently in the final stages of completing her DPhil in Education at Oxford University. Chloe read for a BA in Literary Studies and African Studies at the University of Toronto and later did an MPhil in Linguistics at the University of the West Indies. She also read for an MSc in African Studies at Oxford University where she received the Terence Ranger Prize for Outstanding Dissertation performance in 2015 for her work on educational public-private partnerships in Uganda. Chloe has received several scholarships and awards in her academic career, including; The Barbados Government Scholarship, The University of the West Indies Graduate Scholarship and the Rhodes Scholarship. Professionally, she has worked as a teacher and tutor at several institutions across Barbados, the UK, and Canada, and has also worked on the pastoral and administrative teams of many international summer programs.



Education

- University College London
- » BA Literary Studies
- University of Toronto
- » MPhil Linguistics
- University of Oxford
- » DPhil in Education
- » Rhodes Scholar

Advisory Board

Oxmedica has an advisory board of leading experts across a variety of academic and commercial disciplines.



Mr Alex Ingram BA MA

UK Department of Education University of Cambridge



Dr Tala Qusous MEng MA BM BCh MRCP

UK Medical doctor and engineer University of Oxford MIT Royal College of Physicians, England

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Ms Caryl Williams BA MA MRes

UK Government Social Science Lead (Defra) University of Cambridge University College London Oxmedica's Advisory Board consists of leading academics and commercial professionals who represent leading institutions from around the world.



Dr David Brindley MEng DPhil

International researcher and healthcare leader University College London Harvard Stem Cell Institute & Business School Stanford University

University of Oxford (DPhil)



Dr Morteza Jalali MB ChB PhD

MRes BSc MRCS Surgeon scientist and academic

University of Manchester University of Cambridge University of Oxford Royal College of Surgeons, England



Dr Colin McManus BASc MASc DPhil Aerospace Engineer and Senior Engineer for Oxbotica, UK University of Toronto University of Oxford (DPhil)



Dr Owen Ingram BA MA MBBS MRCP

UK Medical doctor and educator University of Cambridge University College London Royal College of Physicians, England

Subject Specialisation

The breadth and depth of the Oxmedica faculty network means that we are able to offer a wide variety of programs that boast elite-level teaching faculty. Our major areas of focus include:

- **1. STEM Education:** Intensive courses with both theoretical and practical components across the following scientific and technological disciplines:
 - Medical sciences
 - Life sciences
 - Physical Sciences
 - Engineering
 - Computer sciences (including artificial intelligence and machine learning)
 - Mathematics (including financial engineering)

2. Academic English

- Geared towards students with intermediate to advanced/fluent speaking proficiency, but who need to improve in more technical or academic contexts
- Strong focus on improved writing ability, which is critical for students who aspire to attend an elite university in the English-speaking world
- Preparation for IELT/TOEFL/SAT Reading and Writing & Language Tests
- Tuition for less advanced English learners and beginners also available

3. "Soft Skills": Leadership, Management, and Entrepreneurship

- Communication workshops that teach students presentation skills, as well as the fundamentals of effective interpersonal interaction
- Introduction to leadership and management techniques that lead to effective collaboration and task completion
- Leadership challenges that force students to work under pressure and establish their own leadership structures without external guidance
- Overview of the basics of entrepreneurship
- Techniques for brainstorming, creative and innovative thinking in the marketplace

Program Case Studies

International STEM Enrichment Program

In collaboration with King Abdulaziz and His Companions Foundation for Giftedness and Creativity (Mawhiba), 2016 - Present

Location: Riyadh, KSA

Duration: 3 weeks

: 3 weeks

Student numbers: 400

- Collaboration with KSA governmental organisation for gifted students
- Directed onsite by Oxmedica Managing Partners and Partners
- Taught by postgraduate research students from elite universities
- Cohort of 350-400 students across separate male and female programs
- Each student takes one STEM course for the entire three-week period
 - four hours/day, for a total of 49 hours of STEM
- Each student also takes two hours of Academic English per day for the entire three-week period
 - total of 20 hours of Academic English
 - broken down into eight lectures (larger classes), six workshops (medium-sized classes), six tutorials (smaller classes)
- Excursions to local hospitals, government agencies, industry sites
- TED-style talks delivered daily by tutors on a variety of subjects: new developments in STEM, personal development, career planning
- Highly engaging program of daily enrichment activities that promote leadership and team building
- Option of daily visit to sports centre
- Students conduct a group research project which they present to the entire cohort in a final presentation
 - builds both research ability and experience and presentation skills
- Each student receives graded, detailed final report together with certificate
 - report assesses student strengths and weaknesses and provides guidance for future improvement



Students in the Medical & Surgical Sciences Course



Representative Tutor Profiles

Andrej Vasilj

Mechanical Engineering Tutor

Upon finishing his undergraduate and master's degrees among the top 1% in his generation, Andrej took on a broad range of engineering opportunities ranging from multinational corporations such as Airbus GmbH and Shell to renown universities. To further improve his technical skills, he took a PhD position at the University of Cambridge, where he works on steam turbine development for General Electric. Andrej's current research is focused on non-equilibrium condensing flows in steam turbines using state of the art physical and mathematical models, while his research interests include particle deposition, blade liquid film formation, coarse water droplet generation and modelling of turbine losses.



Representative Tutor Profiles

Daniel Woods

Cybersecurity & Cryptography Tutor

Daniel is completing a PhD in cyber security at the University of Oxford. Before starting at Oxford, Daniel received a first in Mathematics (MSci) from the University of Bristol. Daniel's research looks at the intersection of cyber security and finance, and has been published in the Journal of Cyber Policy and the Journal of Internet Services and Applications. Outside of his studies, Daniel was accepted onto the first cohort of HutZero - the UK's first cybersecurity early-stage entrepreneur bootcamp. He attended ICANN56 in Helsinki and completed a project with Willis Towers Watson in cyber risk analytics.

Sandra Adele

Regenerative Medicine & Medical Technologies Tutor

Sandra completed her undergraduate degree in Cellular and Molecular Neuroscience and went on to receive her MSc in Pharmacology from the University of Oxford. She is currently studying for her PhD at the University of Oxford which combines pharmacology, biochemistry and neuroscience, and focuses on biomarkers against Parkinson's disease. She is passionate about how advances in science can be used to address healthcare issues in developing countries. Since 2017, she has been working on a program funded by Roche Pharmaceuticals in Tanzania focused on innovative and cost-effective ways to combat health issues. Prior to this, she had interned with the Desmond Tutu HIV foundation and UNICEF Ghana.

Dr Charlotte Johnson

Medical & Surgical Sciences Tutor

Dr Charlotte Johnson moved to Cambridge in 2012 to study for a BA in Natural Sciences at Emmanuel College, before going on to complete her clinical medicine training at the University of Cambridge School of Clinical Medicine. She has recently worked in Uganda, supporting doctors and midwives in a rural hospital, and in Nepal, where she helped to run clinics in remote Himalayan villages. Charlotte supervises undergraduates in physiology at the University of Cambridge, as well as teaching students on the hospital wards.

Leanne Durkan

Quantum Mechanics, Quantum

Technologies & Modern Physics Tutor

Leanne is a Theoretical Physicist and Applied Mathematician in the 1styear of her PhD, researching Black Hole Perturbation Theory, Extreme Mass Ratio In-spirals of Binary Black Hole systems, and Gravitational Self-Force. Leanne completed her undergraduate degree in Theoretical Physics at University College Dublin (UCD), during which she spent one year at the University of British Columbia (UBC), Vancouver, as part of the GoGlobal exchange program. After finishing her degree, Leanne pursued a master's in Applied Mathematics at the University of Cambridge.









Exemplar Schedule



Oxmedica-Mawhiba International Enrichment Program King Saud University, Saudi Arabia

4 July-26 July 2019

	Sun 7 July	Mon 8 July	Tue 9 July	Wed 10 July	Thur 11 July	Fri 12 July	Sat 13 July
0400	Surrysury	Fajr Prayer	Fajr Prayer	Fajr Prayer	Fajr Prayer	THE Party	Fajr Prayer
0700		Wake Up	Wake Up	Wake Up	Wake Up	-	Wake Up
0730		Breakfast	Breakfast	Breakfast	Breakfast		Breakfast
0830		STEM Class	STEM Class	STEM Class (C-I) English Tutorial 1 (A) English Tutorial 2 (B)	STEM Class (A,B,D,F,G,H,I) English Tutorial 1 (C) English Tutorial 2 (E)	Trip/ Sports	English Lecture 3 (F-I) English Lecture 4 (A-E)
0930	Student Arrival	STEM Class	STEM Class	STEM Class (A,B,D,F,G,H,I) English Tutorial 1 (E) English Tutorial 2 (C)	STEM Class (B,C,D,E,F,H,I) English Tutorial 1 (G) English Tutorial 2 (A)		STEM Class (B,D,E,H,I) English Workshop 3 (A,C) English Workshop 4 (F,G)
1030		Break	Break	Break	Break		Break
1100		English Lecture 1 (A-E) English Lecture 2 (F-I)	STEM Class (F-I) English Workshop 1 (A,C) English Workshop 2 (B,D,E)	STEM Class (A,B,C,E,G,H,I) English Tutorial 1 (D) English Tutorial 2 (F)	STEM Class (A,C,E,F,G,H,I) English Tutorial 1 (B) English Tutorial 2 (D)		STEM Class (A,C,F,G) English Workshop 3 (B,D,E) English Workshop 4 (H,I)
1200		English Lecture 1 (F-I) English Lecture 2 (A-E)	STEM Class (F-l) English Workshop 1 (B,D,E) English Workshop 2 (A,C)	STEM Class (A,B,C,D,E,G,H) English Tutorial 1 (F) English Tutorial 2 (I)	STEM Class (A-G) English Tutorial 1 (I) English Tutorial 2 (H)		STEM Class
1300	Duhr/Lunch	Duhr/Lunch	Duhr/Lunch	Duhr/Lunch	Duhr/Lunch		Duhr/Lunch
1400	Student Registration	STEM Class	STEM Class (A-E) English Workshop 1 (F,G) English Workshop 2 (H,I)	STEM Class (A,B,C,D,E,F,I) English Tutorial 1 (H) English Tutorial 2 (G)	STEM Class (A,B,C,D,E,G,H,I) Independent Study (F)		STEM Class
1500	Orientation	STEM Class	STEM Class (A-E) English Workshop 1 (H,I) English Workshop 2 (F,G)	STEM Class (F) Independent Study (A,B,C,D,E,G,H,I)	English Lecture 3 (A-E) English Lecture 4 (F-I)		STEM Class
1600	Asr/Break	Asr/Break	Asr/Break	Asr/Break	Asr/Break		Asr/Break
1630	TAs/RAs Briefing	TED Series 1 Enrichment Activity	TED Series 2 Enrichment Activity	TED Series 3 Enrichment Activity	TED Series 4 Enrichment Activity		TED Series 5 Enrichment Activity
1800	Social/Free Time	Social/Free Time	Social/Free Time	Social/Free Time	Social/Free Time		Social/Free Time
1900	Maghrib/Dinner	Maghrib/Dinner	Maghrib/Dinner	Maghrib/Dinner	Maghrib/Dinner		Maghrib/Dinner
2015	Isha Prayer	Isha Prayer	Isha Prayer	Isha Prayer	Isha Prayer		Isha Prayer
2045	Close	Close	Close	Close	Close		Close



Sample Feedback

Assessed via online survey Overall 2018 Program Feedback:

Overall, how much have you enjoyed the program? 130 responses



Have the STEM classes benefited you academically? 130 responses



Sample Course Feedback: Medical Sciences, 2018

How do you find the difficulty of the course?

20 responses



Please comment on your course:

I have the best tutor anyone could ask for + The lesson is reached out in a simple and interesting way

Very intriguing and helped me decide whether I want to study medicine or not

Medical science is such a great course it's helped me have a more clear vision of what I

want to learn in the future and not finding it easy or very difficult helped me have more

confidence in my self and my knowledge

I think more videos are helpful

Very informative

Fun and informative course. Amazing tutor

It is very good and helpful

Its too perfect to be true

Dr. Charlotte and Ms. Atheer are really great, they'll always answer our questions and make

sure that we understood the lesson

The best experience of all , never wanted it to end

Interesting

I wish to have more lab sessions

I am loving my coarse . I learned a lot of new information during this past week and a half .

My tutor and TA are always there for us when we need anything . One of my favorite parts is when we go to the lab and we apply some of what we learned .

I am so lucky to be in this class

Amazing tutor that has up to date knowledge in many diffrent parts of the medical study. The course itself is very gun and informative

I believe it is one of the best courses here that a lot of girls wish for, and I am so lucky to be in it as it has helped me with choosing my path & career ; which is inshallah medicine. It has guided me & gave me an insight of what studying medicine would be and I really enjoy it.

Sample Course Feedback: Financial Engineering, 2018

Knowledge and expertise of tutor:

14 responses





14 responses



Please comment on your course:

Amaizing

Wonderful, Mr. Shabaaz is the best and deserves tutor of the course. He made the hard maths interesting

Mr Shabaaz was so helpful as well as our TA Mr Abdullaziz..

Excellent teachers

The best classes I ever took ,but I would like more practical classes

Our Tutor, Shabaaz was amazing!, He really made us understand from point A-Z, he was entertaining and is an amazing human being, the financial part of financial engineering is really great but the engineering part is really hard.

Shabaaz is the best

Mr.Shabaaz and Mr.Aziz were the perfect combination to teach the Financial Engineering course. Not once during their class did I feel bored. However, I learned lots of things about financial engineering, including modeling the Black scholes equarion, as well as learning about the causes and effects of the 2008 market crash. This class felt like a bunch of knowledgeable friends learning a subject, which, in my opinion, is the utopian setting for a learning environment.

It's cool because I had literally the best tutor and the best RA

London Scholars Program 2018 - Present

Duration: 1 week

Location: London, UK

Student numbers: 20

Small cohort of 15-30 students, enabling extensive instructor-student interaction

Directed onsite by Oxmedica Managing Partners and Partners

Consists of:

- Communication Skills Workshops
- Leadership & Management Workshops
- Careers in Science & Health Workshop (Queen =Mary University, London)
- Talks from leading academics and industry professionals on subjects including:
- Modelling and computational biosciences
- Oxbridge application processes and principles of strong university applications
- Life in a leading consulting firm vs. life in a cutting-edge start-up

- Life as an international university student; strategies for both academic and personal success
- Visits to academically relevant sites, including the London Science Museum and the Centre of the Cell at Queen Mary University
- Visits to Oxford and Cambridge
- Talks from Oxford and Cambridge teaching faculty
- Tours of Oxford and Cambridge colleges



Image: Student visit, tour and lectures at the University of Cambridge

Representative Instructors and Speakers

Owen Ingram

Consultant Physician, NHS

Dr Owen Ingram holds degrees from both the University of Cambridge and University College London medical schools. He is also a full member of the Royal College of Physicians, England. He has considerable experience teaching medical students and junior doctors, including the King's College PACES revision course (for which he was the recipient of the London trainees award) and the Teaching TIPS for Foundation Doctors Course held at UCL Medical School. He has been the recipient of numerous accolades and prizes including the William Harvey Hospital: Teacher of the Year, King's College London: Teaching Certificate of Achievement, London Trainees Award, Proxime Accessit to the Gold Medal, Atchison Prize, Belasco, Hobbiger and Lyell Prizes and multiple prizes from Pembroke College.



Sarah-Beth Amos

Computational Biochemist, Oxford

Sarah-Beth Amos is a doctoral student in Computational Biophysics at the University of Oxford, funded by a highly competitive BBSRC CASE studentship in partnership with a drug company. She specialises in Markov state models of protein disorder and has a special interest in Bayesian statistics and mathematical modelling for biological systems. She won the SCI Young Lipid Scientist Award and was invited to give a talk at the EuroFed Lipid Congress in Sweden. She also won the Peter Beaconsfield Prize from the Medical Sciences Division for academic excellence. Sarah-Beth served as President of the Middle Common Room at Wadham College, Oxford and was a Senior Scholar. Most recently she was named as one of the top 30 Women in Software by ComputerWeekly/Makers.



Oxmedica

Exemplar Schedule



Program Schedule

Sunday 16 June

Morning	Welcome and Arrival				
Afternoon	Hotel Check-in Lunch and Tour of Kensington Palace and Hyde Pa Induction Session Welcome Dinner				
Monday 17 June					
Morning	Workshop I: Communication Skills by Dr Owen Ingram				
Afternoon	Guided Bus Tour of London and River Cruise Visits to Science Museum and Major Landmarks				
Tuesday 18 June (Oxford)					
Morning	University Talk I: Computational Biophysics by Sarah-Beth Amos				
	University Talk II: Scoring for Admissions by Dr Sophie Bocksberger				
Afternoon	Guided Walking Tour of Oxford colleges				
Wednesday 19 June					
Morning	Workshop II: Leadership and Management by Stephen Pettitt				
	Industry Talk: Science, Business, Culture by Sukhy Bhogal				

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Exemplar Schedule



London Scholars' Program 2019 16 June-22 June

Afternoon	Guided Pod Visit of Centre of the Cell		
	at Queen Mary, University of London		

Workshop III: Careers in Science and Health by QMUL scientists and students

Visit to Old Spitalfields Market

Thursday 20 June (Cambridge)

Morning	Guided Walking Tour of Cambridge colleges
Afternoon	University Talk III: Math, Physics, Machine Learning by Dr Alexander Barns-Graham
	University Talk IV: Excelling as International Students <i>by Dr Lin Li</i>

Friday 21 June

Morning	Industry Visit: Silicon Roundabout	
Afternoon	Free and Easy Programme Conclusion and Certificates	

Saturday 22 June

Morning Chec	k-out
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Afternoon Departure

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Sample Feedback



How much did you enjoy the day trips to Oxford and Cambridge?



I enjoyed most of the day trip.
I found them average.
I did not enjoy them.

Thank you all, this trip was wonderful Thank you!!!

It was the best trip I have ever gone to it was educational and fun

We had great fun and I hope to see you all in the future!!!!!!

I couldn't make it to Oxmedica 2017 even though I was accepted and had my name hung up on a room, but this trip made up for it



Additional Programs

Oxmedica GE will be expanding its program portfolio significantly over the next few years to meet increasing global interest and educational demands.

Oxmedica Dubai Program

Duration: 18 days Location: Dubai, UAE When: July 2020

Available Places: 250

Description: Provision of a bespoke academic program for high achieving high school students spanning core STEM disciplines including medicine, engineering and computer science. Supported by faculty educated at the world's leading universities offering admissions expertise and university application advice.

Content: A series of informative, impactful and academically rigorous seminars and workshops specially designed to enhance every student's personal character and subsequent university application. The program will:

- 1. Introduce students to Higher Education & the demands of university
- 2. Prepare students for admission to elite STEM degree programs in the UK and US
- 3. Provide a series of impactful and educational expert-led seminars that prepare students in:
 - a. Leadership & Management
 - b. Communication skills
 - c. Lifelong learning and personal developmentd. Interpersonal skills acquisition and development

 - e. Familiarity with cutting edge developments in scientific and technological academic and industrial research
 - f. Current STEM, business and innovation landscape



Mandarin Language

We have also recognised a growing interest in training students in Mandarin in recent years. To respond to this demand, we have initiated planning for an Intensive Mandarin Language Program. The program will be directed by Oxmedica Partner Dr Lin Li, who is a native speaker of Mandarin and holds a PhD in English from the University of Cambridge. Dr Li will leverage both her own and Oxmedica's extensive professional network of high-achieving Mandarin speakers who will make up the program's core teaching faculty.







London, Oxford & Cambridge

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