清華大學药学院
School of Pharmaceutical Sciences, Tsinghua University

AMGEN® Foundation
Inspiring the Scientists of Tomorrow

TSINGHUA UNIVERSITY AMGEN SCHOLARS PROGRAM

2023 PROGRAM BROCHURE

June 27th - August 19th, 2023
Tsinghua University, Beijing,China

Organizer:
School of Pharmaceutical Sciences,
Tsinghua University



AN UNDERGRADUATE SUMMER RESEARCH
PROGRAM IN SCIENCE AND BIOTECHNOLOGY

TSINGHUA UNIVERSITY
AMGEN SCHOLARS PROGRAM

JUNE 27TH - AUGUST 19TH, 2023
TSINGHUA UNIVERSITY, BEIJING, CHINA

"

An Undergraduate Summer Research Program in Science and Biotechnology.

CONTENTS

1. Tsinghua University 04
- 1.1 Overview 04
- 1.2 Histor 05
- 1.3 Among the top research universities in the world 05
- 1.4 Research innovation 06
- 1.5 International study and program 07

2. School of Pharmaceutical Sciences at Tsinghua University 08
- 2.1 Overview 08
- 2.2 A focus on cutting-edge biomedical research 09
- 2.3 An endeavor to build advanced translational platforms 10
- 2.4 A place to cultivate future pharmaceutical scientists 10

3. Amgen Foundation 11

4. Tsinghua Amgen Scholars Program 12
- 4.1 Amgen Scholars Program 12
- 4.2 2023 Tsinghua Amgen Scholars Program 13
- 4.3 Symposium 13

5. Faculty Mentors 14

6. Scholars Introduction 16

7. Life on Campus 24
- 7.1 Library 24
- 7.2 Art Museum 25
- 7.3 Gymnasium 25
- 7.4 Transport 26
- 7.5 Map of Tsinghua University 27
- 7.6 Beijing Rail Transit Lines 28

1. Tsinghua University

1.1 Overview

Established in 1911, Tsinghua University is one of China's most renowned academic and research institutions and consistently anked as a top university globally. Its profound academic legacy and outstanding research capability have made Tsinghua one of China's major powerhouses for talent development and cutting-edge work in science and technology. At present, Tsinghua has 20 schools and 58 departments with 3,485 faculties in science, engineering, law, medicine, management, education and art etc. as well as over 48,739 registered students studying on campus. Among Tsinghua's numerous outstanding alumni are renowned scholars, eminent entrepreneurs, industry pioneers and state leaders including China's current President, XI Jinping and former President, HU Jintao.

Tsinghua also aspires to create global impact by actively developing strategic partnerships and collaborations with the world's prestigious universities, organizations and business enterprises. Some recent high-profile programs include the Schwarzman College by Stephen A. Schwarzman (Blackstone), Global Innovation eXchange Institute (GIX) in Seattle US sponsored by Microsoft, the Lab for Lifelong Learning at Tsinghua University (TULLL) sponsored by the LEGO Foundation, the Tsinghua-BP Clean Energy Research and Education Center, the Global Health Drug Discovery Institute (GHDDI) co-founded by the Gates Foundation, and the IDG/McGovern Institute for Brain Research. Trough more than one hundred years of development, as well as with its new emphasis on reform and innovation, Tsinghua University bestowed upon itself a unique confidence and strength. With a broader global vision, higher standpoint, and more effective actions, Tsinghua will advance its development as a world-class university with Chinese characters.





1.2 History

Tsinghua University was established in 1911 under the name "Tsing Hua Imperial College". The university section was founded in 1925 and undergraduates were then enrolled.

During the War of Resistance against Japanese Aggression, Tsinghua University moved to Changsha in 1937, then to Kunming in 1938, and was renamed the National Southwest Associated University. When the war ended, Tsinghua returned to its original site at Tsinghua Garden in Beijing in 1946.

Since 1978, Tsinghua has gradually expanded and established more departments in the sciences, economics, management, and the humanities. In 1985, the School of Continuing Education was established. In the last decade, the university has made advances in the refinement of academic disciplines, faculty development and research. Tsinghua is now a comprehensive research university covering disciplines in science, engineering, literature, art, history, philosophy, economics, management, law, education, and medicine.

1.3 Among the top research universities in the world

- 16TH — THE World University Rankings 2022
- 10TH — THE World Reputation Rankings 2021
- 17TH — QS World University Rankings 2022
- 6TH — QS Graduate Employability Rankings 2022 **Worldwide**
- 1ST — QS Graduate Employability Rankings 2022 **in Asia**
- 1ST — US News Best Global Universities for Computer Science
- 1ST — US News Best Global Universities for Engineering
- 3RD — US News Best Global Universities for Materials Science

1.4 Research innovation

With the goal of leading global fundamental research, serving core national development needs, and connecting academic research with talent cultivation, Tsinghua University is dedicated to promoting scientific innovation and addressing global challenges.

◆ Recognition



In 2018, the faculty of Tsinghua University won 24 national awards, including one first prize of the State Natural Science Awards and three first prizes of the State Scientific and Technological Progress Awards. In addition, Tsinghua faculty won 38 prestigious international awards. Twelve Major Tsinghua Projects were approved by the National Social Science Fund of China, while a total of 142 individuals from the University were selected for prestigious programs.

◆ Innovation

Tsinghua is dedicated to comprehensively integrating innovation and entrepreneurship education into its talent training system. Tsinghua provides its students with an integrated education platform for creativity, innovation and entrepreneurship.

- The Student Future Innovation Group Inspires creativity: it encourages students to build teams across different disciplines and grades, and initiate their own innovation projects.
- The iCenter serves technological innovation: it is the largest campus "maker" space in the world.
- The changplus and x-lab support entrepreneurship: they help startups gain market resources, and help them seek professional guidance from off-campus tours.



◆ Research Education

At Tsinghua, all students, including undergraduates, have rich resources and opportunities to transform their research ideas into reality. The Tsinghua "TOP OPEN" undergraduate overseas academic research program enables students to contact overseas institutes independently, based on their own academic interests, to refine their research projects and to have the university fund their research. In 2018, 420 students visited 104 overseas research universities and institutes through this program. Up to today, the university has signed university cooperation agreements with 285 universities and research institutes in 50 countries. Last year, more than 16,000 faculty and students went abroad for visits and exchanges.



1.5 International study and program

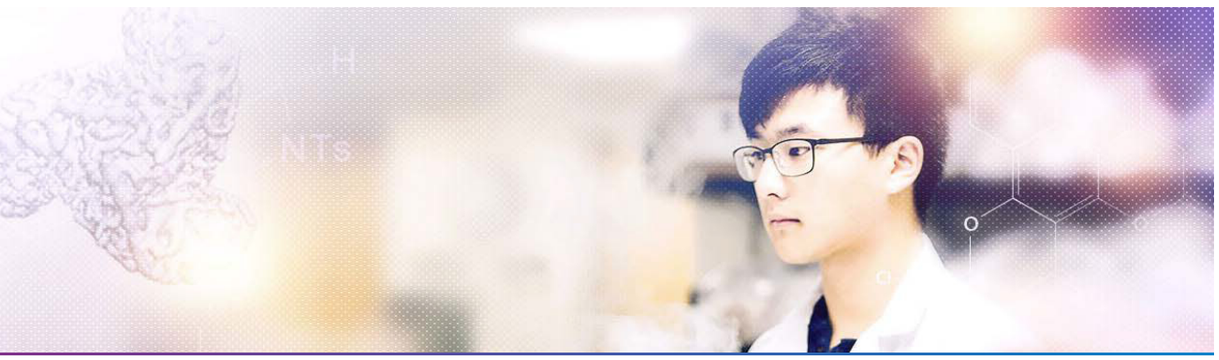
Every summer, Tsinghua offers more than 10 international summer programs for students from across the world. Summer program courses range from subjects such as computer science, engineering, physics, green energy, law and economics. International students taking part in the summer programs can broaden their global perspective and come into direct contact with Chinese culture, society and technology.



2. School of Pharmaceutical Sciences at Tsinghua University

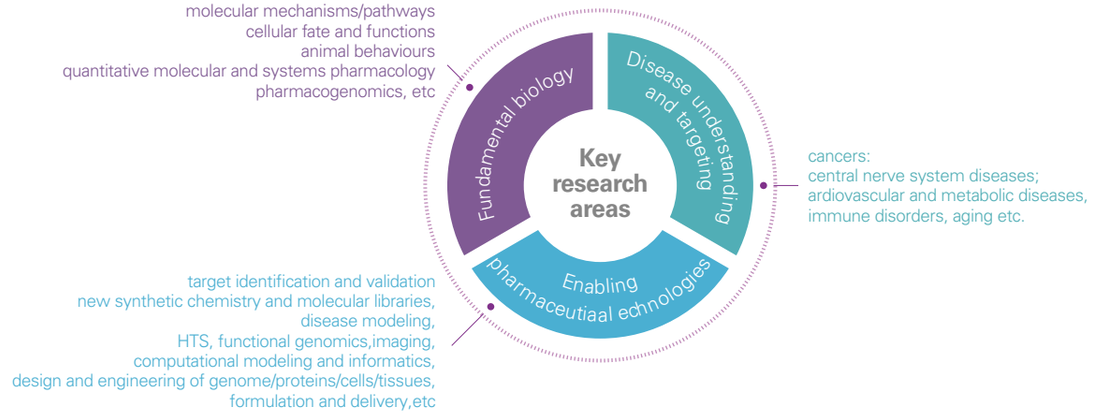
2.1 Overview

Established in 2015, Tsinghua University School of Pharmaceutical Sciences (SPS) is dedicated to educate new generations of pharmaceutical researchers and professionals, and to conduct innovative research to address the world's significant health issues. Leveraging Tsinghua's strengths in related disciplines such as chemistry, chemical engineering, material science, medical engineering and information technology, SPS is committed to advancing understanding of unsolved diseases and translating research discoveries and technological developments into novel medicines and therapeutic approaches. At SPS, we endeavor to lead innovations for China's nascent biomedical industry and make important contributions to human health on the global level.



2.2 A focus on cutting-edge biomedical research

SPS is at the forefront of pharmaceutical sciences, investigating various therapeutic approaches, including small molecules, biologics, gene therapy, cell therapy and medical devices. It seeks to drive drug discovery through major advances in emerging fundamental biology with translational potential, enabling pharmaceutical technologies, and disease understanding and targeting, all highly interdisciplinary areas.



SPS has world-class faculty engaging in innovative pharmaceutical research. 33 faculty members all possess a strong educational background and track record of innovative research in leading universities and institutes around the world. Many are recognized by the national science community with high honors. Several faculty members also bring significant industry R&D experience from previous careers at major multinational pharmaceutical companies. Moving forward, it plans to significantly expand its faculty team in the coming years in order to broaden key research areas and enhance overall research capabilities. Together, we will create vital knowledge and enabling technologies, pushing translational science into new medicine and treatments.



2.3 An endeavor to build advanced translational platforms

Translational medicine is at the core of SPS' development plans. Supported by our University and in partnership with notable organizations and corporations, we have established several key platforms to expedite the process from bench to bedside, including Pharmaceutical Technology Center and early-stage incubator and seed fund. SPS seeks to cooperate with partners to create an integrated ecosystem for global pharmaceutical innovation and, ultimately, impact human health.

A recent influential example is the Global Health Drug Discovery Institute (GHDDI), jointly founded by Tsinghua University, the Bill & Melinda Gates Foundation, and the Beijing Municipal Government. GHDDI aims to develop a transformative platform with exceptional biomedical R&D capabilities to address some of the most pressing disease challenges faced by developing countries.

2.4 A place to cultivate future pharmaceutical scientists

At SPS, we aim to prepares students to become future leaders in biomedical research and pharmaceutical R&D through excellent education. To help students build a comprehensive knowledge foundation, we focus the teaching of pharmacology, biology, chemistry, fundamental medical science, engineering, and information technology. We offer a broad-spectrum curriculum that aligns with global top universities. Our students experience a traditional classroom environment supplemented with cross-disciplinary projects, internships, study abroad, and laboratory research, to better prepare them to carry out innovative research and solve unmet biomedical challenges in the future.

In addition to providing practical coursework that requires students to conduct research in the lab starting their sophomore year, we encourage students to visit and learn from world-renowned pharmaceutical enterprises and academic institutes during the summer term, at home and abroad.

3. Amgen Foundation

The Amgen Foundation seeks to advance excellence in science education to inspire the next generation of innovators, and invest in strengthening communities where Amgen staff members live and work.

The Foundation, established in 1991, is an integral component of Amgen's commitment to dramatically improve people's lives. The Foundation is the principal channel for Amgen's corporate philanthropy. To date, the Foundation has contributed more than $300 million to local, regional and international nonprofit organizations that reflect Amgen's core values and complement the company's dedication to impacting lives in inspiring and innovative ways.

The Foundation places a strong emphasis on strengthening science education and is committed to investing in meaningful, evidence-based initiatives that make a difference at the local, national, and international levels. To that end, the Amgen Foundation has contributed nearly $150 million to advancing science education programming globally.

AMGEN® Foundation
Inspiring the Scientists of Tomorrow



4. Tsinghua Amgen Scholars Program

4.1 Amgen Scholars Program

The Amgen Scholars Program aims to open the door to research opportunities at 24 host institutions for undergraduates from any four-year college or university in a given region.

Made possible through a 16-year, $74 million commitment from the Amgen Foundation, Amgen Scholars allows undergraduates from across the globe to participate in cutting-edge research opportunities at worldclass institutions. 24 premier educational and research institutions across the U.S., Europe, Asia, Australia and Canada currently host the summer program.

Undergraduate participants benefit from undertaking a research project under top faculty, being part of a cohort-based experience of seminars and networking events, and taking part in a symposium in their respective region where they meet their peers, learn about biotechnology, and hear from leading scientists.

Australia: Open to students in Australia, New Zealand, and Oceania

Europe: Open to students in Europe

United States: Open to U.S. students

Asia: Open to students worldwide

Canada: Open to Canadian students

AMGEN® Scholars Program



Host Institutions

Caltech · Columbia University Barnard · Duke University · ETH zürich · Harvard University · Institut Pasteur · Johns Hopkins University · Karolinska Institutet · 京都大学 Kyoto University · LMU · NIH National Institutes of Health · NUS National University of Singapore · Stanford University · 東京大学 The University of Tokyo · 清華大學 Tsinghua University · Berkeley University of California · UCLA · UCSF · University of Cambridge · The University of Melbourne · University of Toronto · UT Southwestern Medical Center · Washington University in St. Louis · Yale

4.2 2023 Tsinghua Amgen Scholars Program

The Amgen Scholars Program at Tsinghua is an 8-week faculty-mentored residential summer research program to provide undergraduate students the opportunity to conduct research in a lab environment, engage in cutting-edge research experience, and learn more about biotechnology and drug discovery.

Tsinghua Amgen Scholars will join a faculty's laboratory and involve in one or more specific research projects. Each Scholar will be paired with a faculty member as his/her mentor. As a member of the lab, the Scholar will have the opportunity to participate in a series of academic activities, such as weekly lab meetings, group discussions, presentation training, and campuswide seminars of interests. In addition, other non-academic gathering will be organized, such as networking events, Chinese and Beijing culture exploration, etc.





4.3 Symposium

A significant component of the summer program is a symposium hosted by the National University of Singapore where students hear firsthand from leading scientists working in industry and academia. The symposium provides students with a valuable opportunity to discuss their research, learn about drug discovery and development, and network with other Amgen Scholars from all over Asia and the world.

5. Faculty Mentors



Jie CHEN,Ph.D.
Nutrient metabolism,Tumor



Xuebin LIAO, Ph.D.
Innate Immunity,Toll-like Receptors, Immunotherapy,Medicianl,Chemistry, Organic Synthesis

Shuyi ZHANG,Ph.D.
Synthetic biology,protein design,directed evolution



Rui KUAI,Ph.D.
Pharmaceutical formulation, Drug delivery,Immunotherapy





Xiangyu LIU,Ph.D.
Structutal biology of G protein-coupled receptors and structure-based drug design



Yue YANG,Ph.D.
Drug Regulatory Science

Conggang ZHANG,Ph.D.
Natural immunity,mitochondrial quality regulation,neurodenerative diseases,inflammation,autoimmune diseases



Liansuo ZU,Ph.D.
Natural Products,Total Synthesis, Indole Alkaloids





Ling CHU,Ph.D.
Chemical biology, drug discovery



Wei HE,Ph.D.
Metal Nanocatalysis, Fragment Based Drug Discovery



Yinqing Li,Ph.D.
Genome Medical Technology



Bailong XIAO,Ph.D.
Tactile, Pain, Mechanical Gated Ion Channels, Temperature Gated Ion Channels, Drug Screening

Zhao WANG,Ph.D.
Aging and Anti-aging, Pharmacology. Calorie Restriction, Alzheimer's Disease. Osteoporosis



Yonghui ZHANG,Ph.D.
Immunotherapy, Oncology. Drug Design, Chemobiology, Cholesterol Metabolism Pathway





Min ZHANG,Ph.D.
Nonclassical protein, secretioninflammatory response, aging-related diseases, drug screening



Haidong TANG,Ph.D.
Tumor Microenvironment, Immunotherapy, Costimulatory Molecules, Antibody Engineering

Sheng DING,Ph.D.
Stem Cell and Regenerative Medicine



Bai LU,Ph.D.
Neuroscience





Juanjuan DU,Ph.D.
Novel Protein Drugs, Nano Drugs



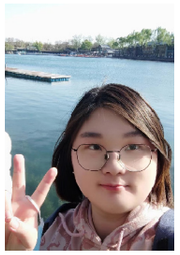
Ligong CHEN,Ph.D.
Transporter Pharmacology, Toxicology and Physiology

6. Scholars Introduction

Caifan LI



My name is Avery Li (李采蘩). I come from mainland China, and now I am a second-year student studying biochemistry and Cell Biology at the Hong Kong University of Science and Technology. I used to work in a cell biology lab studying proteins and I am looking forward to exploring various fields of life science through AMGEN scholar to broaden my academic horizon this summer. In addition, I have deep interests in reading, movies, musicals, video games, and other activities, as well as outdoor sports such as hiking and cycling. Nice to meet you all!



Can XU

Hello, everyone! I'm Can Xu from the College of Life Sciences, Wuhan University. Animals in nature fascinated me and got me interested in life sciences, though I'm focusing more on biomedical and human health now. I hope that I could contribute to solving the major medical problems of mankind in the future.

In my free time, I like listening to music and watching movies. I especially love going to museums and am always amazed by the exhibits.

In this AMGEN Scholars Program, I hope to enhance my scientific research ability and get a clearer outlook on my future career. Looking forward to participating in the program and learning at Tsinghua University with other scholars this summer!

Chenyi LEI



Hey, everyone! I'm Chenyi Lei, a young girl from Tsinghua University Shenzhen Global Campus. I'm an energetic person who loves going out and having fun when I'm not working.

One of the main reasons I joined the Amgen Scholars program was to connect with people from diverse cultures all over the world. It's also important to me to engage in academic exchange activities as they hold great significance. They not only provide me with a deeper understanding of cutting-edge academic knowledge but also enhance my presentation skills.

I'm really excited for this summer, and I hope it brings us all joy. I can't wait to meet all of you in Beijing!

Enn Tng Chua



Hi! My name is Enn Tng (and you all can call me ET as well), a second-year student studying Chemical Engineering and Biological Engineering at Tsinghua University. I am enthusiastic in the field of biological science, and I am always looking for new ways to learn and improve my practical skills. Thus, I hope I can gain more research experience through Amgen Program. Besides, I love outdoor activities such as jogging, swimming, and other extreme sports, which I find can always keep me energetic.

Looking forward to meeting up with other Amgen scholars and having a fruitful summer together!



Fomba Kahkunted

Hello everyone, my name is Fomba Kahkunted but you can call me Kah. I come from Cameroon and I'm currently a junior student majoring in pharmaceutical sciences at Tsinghua University. I'm excited to be a part of the Amgen Program, as I hope to gain new laboratory skills and broaden my research experiences. Making new friends and learning more about each other's cultures is also something I'm looking forward to. In addition to my love for science, I'm also a lover of the arts. Singing, dancing, theater, painting/drawing and especially baking are some of my hobbies. Watching movies and getting lost in a good book are also some of my favorite pastimes. I'm really looking forward to having this exciting journey with all of you.

Jiayi Zhang



Hello everyone! I'm Jiayi Zhang, a recent graduate from Sichuan University, excited to embark on my Ph.D. journey at UT Southwestern. My scientific zeal revolves around unraveling the genetic mechanisms driving obesity and diabetes. When not in the lab, I embrace the serenity of nature through hiking and jogging. As a fervent advocate for feminism, educational equality, and environmentalism, I actively engage in charitable initiatives. This summer, I'm eager to learn lab skills, connect with fellow researchers, and collaborate with other Amgen scholars to shape a brighter future. Let's intertwine science with diverse endeavors and reshape our world together!

Jin Yi Lee



Hello, my name is Lee Jin Yi, and I am thrilled to be part of the AMGEN Scholars Program. I am currently a Year 3 student majoring in Pharmaceutical Science at Tsinghua University. I am looking forward to using this program as an opportunity to expand my knowledge and skills in scientific research. I am a friendly individual and am known for being responsible and easygoing. In my free time, I enjoy playing basketball and badminton and am always eager to learn new things. I believe this program will provide me with valuable experiences and connections that will help me achieve my future goals. Hope I will have a good time with the other participants and teachers this summer!



Ka Yi Lee

Hello, I'm Lee Ka Yi (or Alice) from the School of Biomedical Sciences at the University of Hong Kong.

I did my dissertation on nanomedicine and am so glad to be joining AMGEN Scholars this year to further delve into the field. My focus is to meet inspiring minds and experience the lab culture at Tsinghua University. I can stay at the lab all day, but please join me in getting good food in Beijing (we'll do some research on that). I enjoy drawing, games, and music. I also speak Mandarin and some Japanese so let us chat more and make friends! Looking forward to learning from each other and may we keep in touch after the program!

Keren Chen



I'm Keren Chen (陈可人) and I am a junior/3rd-year student at the University of British Columbia majoring in pharmacology.

If you ever visit Vancouver, let's meet! I would introduce you to my favorite desert shops, beautiful parks, and (if it's your thing) challenging hikes. Aside from exploring the city I'm from, you're welcome to join me in learning a new instrument or reading a new book. I am currently learning to play the guitar and reading a history book, but I am open to trying new things!

This summer, I hope to learn more about drug research and different cultures. Come introduce yourself! I hope we can become good friends.

Linda Fan Bu



Greetings! My name is Linda Fan Bu, a Brazilian student majoring in MBBS (medicine bachelor and surgery bachelor) at Fudan University. My parents hoped I would have an extraordinary life and thus named me Bu Fan, 卜凡, which means extraordinary. With powerful language tools, and the ability to fluently speak 5 languages, I was able to learn and attained broad cultural perspectives. I put a lot of passion and earnestness into every opportunity that I encounter.

This 2023 AMGEN program in THU will be a unique and Bu Fan experience for this summer. I am very excited and happy for learning new knowledge, gaining more experience in research laboratories, and making new friends, and new connections. Can't wait to meet you all!



Shadi Aldabergenov

What's up, guys. My name is Shadi Aldabergenov, and I'm from Kazakhstan. Right now, I'm studying biological sciences at Tsinghua University, and I am very eager to be a part of AMGEN this year! I have been doing synthetic biology and have worked with Chlamydomonas Reinhardtii for our university's iGEM team. During this summer with AMGEN, I would like to gain more lab experience and try new things out. I see AMGEN as an opportunity to explore and make new friends! Besides academic pursuits, I love sports, specifically jiu-jitsu and powerlifting. So, if you ever want to talk about the practical applications of biology in sports and the human body, feel free to hit me up!

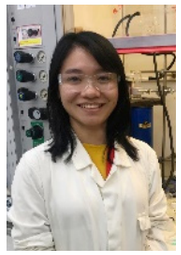
Shucheng LI



Hello! I am Shucheng (Catalina) Li from Guangzhou, China. I am a neuroscience major junior student from New York University Shanghai. My research interest is pain and computational psychiatry. With a great passion for scientific research, I gained some hands-on lab experience in Cognitive Neuroscience and Cellular biology during my freshman and sophomore years.

Besides, I love painting and traveling. I can't wait to explore the beautiful Tsinghua campus with my brushes and palette! I also enjoy learning languages and making friends from different cultures! Looking forward to seeing you soon!

Thi Huyen Trinh Tran



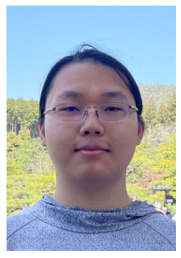
Hey there! I'm Trinh, a cheerful soul from the beautiful country of Vietnam.
Chemistry has captured my heart and ignited a passion within me. Exploring the intricate world of atoms and molecules fills me with a sense of wonder and excitement. I'm always eager to unravel the mysteries of chemical reactions and their impact on our everyday lives.
But hey, that's not all there is to me! I also have a knack for finding humor in everyday moments. Whether it's sharing a funny anecdote or enjoying a good laugh with friends, spreading smiles is my superpower. So, join me as we embark on an exciting journey of scientific discovery and laughter, together exploring the amazing world we live in. Ready to dive in? Let's make memories and share the joy!



Weizhe ZHEN

Hello everyone! I'm Weizhe Zhen（甄伟哲）, from the China-Japan Friendship Hospital, Beijing University of Chinese Medicine. My research interests are the study of the pathogenesis of Alzheimer's disease and the study of the mechanism of drug treatment for Alzheimer's disease. I am very passionate about basic research in neuroscience and neurology, although I am a student of clinical medicine. Outside of my studies, I am very fond of various sports, such as swimming, playing basketball, etc. I hope that during this summer in the Amgen Scholars Program, I can continue to improve my research literacy and thinking, and also harvest unforgettable friendships.

Wenduo YIN



Hello, my name is Wenduo Yin. I am currently a third-year student at Imperial College London. Majoring in Biomedical Engineering, I am fortunate to explore many interdisciplinary topics and apply them to human health and cutting-edge biomedical instrumentation. Enthusiastically, I aspire to broaden my understanding relating to the field of pharmaceutics. This remarkable opportunity will not only provide valuable insights into my potential future career paths but also grant me the opportunity to meet and collaborate with people from various cultural and academic backgrounds. I am eagerly looking forward to the enriching experiences that lie ahead.

Xiang YAO



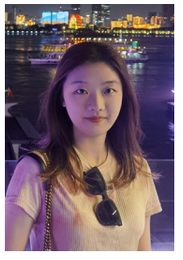
I'm Xiang Yao from ZJU-UoE Institute, Zhejiang University. It's my great honor to participate in the Tsinghua Amgen Scholar Program with other excellent scholars. Majoring in biomedical science, I found my interest in immunology and would like to explore more about immunotherapy. This program provides me with a precious chance to explore how immunology is applied in clinical therapies and how to modify drugs to overcome the existing challenges of immunotherapy like the off-target effect. In my free time, I enjoy sports and I love playing volleyball. I'm looking forward to immersing myself in the academic atmosphere of Tsinghua University and gaining friendships with other outstanding scholars.



Xinyi LIU

Hi, y'all! My name is Xinyi Liu (you can also call me Emma), a current junior double majoring in Molecular and Cell Biology and Statistics at the University of California, Berkeley.
I was born in Beijing, so if any of you are curious about any aspects of this city, feel free to talk to me. I have plenty of recommendations for food and places to visit if you're interested!
I have a strong interest in various fields of life science research, particularly in immunology-related topics. It brings me great excitement to have the opportunity to engage in scientific discussions with so many brilliant people sharing the same passion with me.
When it comes to hobbies and fun facts, I have been practicing Chinese calligraphy for 15 years. Additionally, I enjoy playing badminton and find great joy in cooking and baking.
I am genuinely looking forward to getting to know each and every one of you!

Xinyue LEE



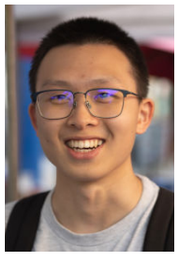
My name is Chloe Lee(李馨月) from Nankai University of Life Sciences. At present, I'm doing research working about stem cells(hiPSCs) and organoid induction in Professor Deling Kong's lab at our university. I'm really excited to attend Tsinghua ASP. I hope I can make more friends and learn more knowledge from teachers and other scholars. I believe I can have more creative ideas and be more innovative in some questions and subjects. What's more, I'm hoping to improve my communicative competence with people and my English presentation skills. Hopefully, I'm looking forward to having a good time with all AMGEN scholars and teachers!

Yixi XUE



Hi everyone! My name is Ryan Xue, a current rising senior at Brown University majoring in Neuroscience and Chemistry on the pre-med track. My past research experiences have been largely focused on different aspects of neurological disorders and their underlying neuroscience basis, including neurodevelopmental diseases, neurodegenerative diseases, and ophthalmological diseases with neurodegenerative pathologies. I hope I can further my study of the underlying molecular neurobiology for neurodegenerative diseases this summer with my mentor Dr. Bai Lu.

Outside of research, I am also very passionate about music, particularly singing. I have acted as a main character in a musical called Fly By Night (which I recommend to everyone to watch! Listen to "Cecily Smith" particularly!). I also have my band, in which we make covers and perform various genres of music, including rock, funk, pop, and blues. I am also an emcee host, who has appeared in Lincoln Center and American Chinese Channel (Sinovision). I am very excited about the Amgen program at Tsinghua this summer and especially excited to meet all of my fellow cohorts! I am sure we will have a very memorable summer for us all!

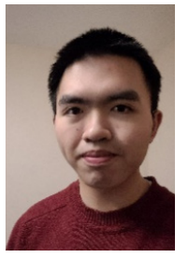


Yuzhe YUAN

Hi! My name is Yuzhe Yuan. I am a rising junior studying Biology and Computer Science at Duke University. I grew up in Nanjing, China. My research interest includes computational biology and medicine. I want to pursue a research career. I hope the Amgen program will be a valuable experience and introduce me to exciting topics.

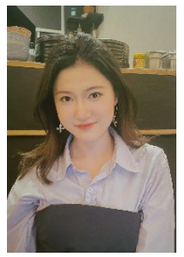
In my free time, I enjoy traveling and outdoor activities such as hiking. Everything about nature interests me. I also enjoy cooking and am trying to learn different cuisines. I look forward to meeting fellow scholars and sharing our unique stories this summer!

Zhikai LEE



Hey everyone! My name is Ken (although feel free to use my Chinese name 黎之楷！), and I'm a second-year medical student studying Medicine at Corpus Christi College, University of Cambridge. I was born in Shenzhen, China, but moved to the UK as a child and now call London home. Whilst my future aspirations are to become a surgeon, I am also keen on engaging in research and integrating this with future clinical practice. I am thrilled to be able to partake in the Amgen Scholars program with talented minds across the world, and look forward to meeting everyone soon!

Yongjing ZHENG



Hi everyone! I am Yongjing and please feel free to call me Jing. I am currently a second-year neuroscience student studying at UCL. I have particular interests in protein trafficking mechanisms in neurodegenerative diseases. In the future, I hope to conduct research focusing on proteomic analysis in relation to specific protein/cell populations underlying neurodegenerative diseases, such as microglia and neuroinflammatory agents. I am the copy editor of UCL's neuroscience society, in which we bring about interactive pieces about the latest neuroscience-related issues. To prepare myself for a future research career, I took part in some neuroscientific research programs in laboratories and clinics. Despite this, I enjoy listening to music and playing the violin and I am also a huge fan of travelling. Before I came to London for university, I lived in both Beijing and Melbourne and traveled around Europe and America. It's a pleasure to join the cohort of the 2023 Tsinghua Amgen Scholars program. Very much looking forward to meeting you all and carrying out a meaningful research project during the summer!



Zihua CHEN

This is James Chen (陈子骅) from Urumqi, Xinjiang. I am currently a rising senior double majoring in Neural Science and Data Science (Concentration in Bioinformatics) at New York University Shanghai (上海纽约大学). Previously, I have been working primarily on Cognitive Neural Science, focusing on Neural Linguistics and Neural Dynamics; but here in the Tsinghua Amgen Scholar Program, I would like to explore more about our brains from a more bottom-up perspective, in a cellular and molecular way. Hope to have a chance to meet talented and passionate young scholars here in Tsinghua!

Ziling SU



Hello guys, this is Ziling Su from the School of Pharmaceutical Sciences, at Sun Yat-sen University. The university is located in Guangzhou, a very lovely city with varieties of delicious food.

My research interest lies in Pharmacoeconomic and drug regulatory science. I enjoy books, music, movies, and TV shows. Besides, I've been learning Japanese for one year out of interest.

I feel extremely excited to participate in Amgen Scholars Program this summer, with the precious opportunity to meet a lot of interesting friends from around the world and learn better about my future career path. Looking forward to the upcoming program!

7. Life on Campus

7.1 Library

The Tsinghua University Library was established in 1912, and is now composed of the Main Library (also called Old Library) and six branch libraries including the Humanities and Social Sciences Library, the Art Library, the Finance Library, the Law Library, the Economics & Management Library and the Architecture Library. The Library system owns more than five million books and other printed material and has a comprehensive digital system to ensure convenient access to resources anytime, anywhere.

Opening Hours in Summer Vacations:

For Main Library (Old Library) : 7:30-22:30 From Monday to Sunday
For Yifu Library (New Library) : 9:00-17:00 From Monday to Sunday
For Mochtar Riady Library (North Library): 9:00-17:00 From Monday to Sunday
Website: http://eng.lib.tsinghua.edu.cn/default.html

** For holidays and vacations, please refer to the special notice.*

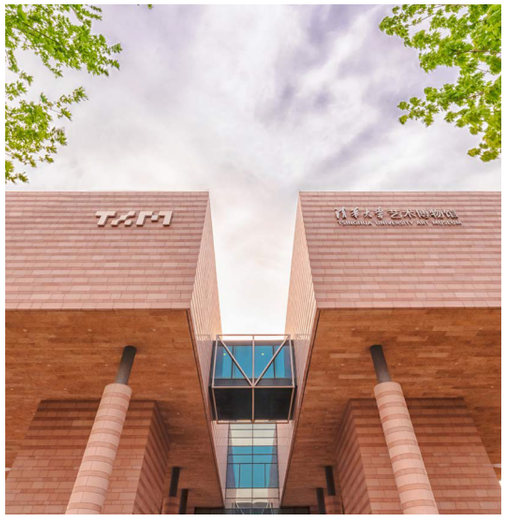


7.2 Art Museum

Officially opened in 2016, the Tsinghua Art Museum is the largest university museum in China and has attracted more than one million visitors since its opening. The museum has over ten exhibition halls and hosts exhibits from China and across the world. Its comprehensive collection includes more than 13,000 art objects, including six major categories: painting and calligraphy, embroidery, porcelain, furniture, bronzeware and diverse artwork.

Opening Hours: **9:00-17:00** (No entry after 16:30)
Tuesday to Sunday; closed Mondays
(Except for statutory holidays)

Website: http://www.artmuseum.tsinghua.edu.cn/en/



7.3 Gymnasium

The Tsinghua physical education base on the principle of Education as priority, access to all, pursue of Excellence. Tsinghua has not only inherited from the achievements of last decades but also integrated with emerging viewpoints and methods resulting form changes of mentality and values. Sport is nowadays an essential component of Tsinghua education as well as one element of national strength.

Stadium and Playground
East Athletic Field, West Stadium, Zijing Athletic Field
Open Hours: Access all day

Gymnasium
Open Hours: 06:30-22:00

Outdoor Swimming Pool
Open Hours: 06:30-22:00

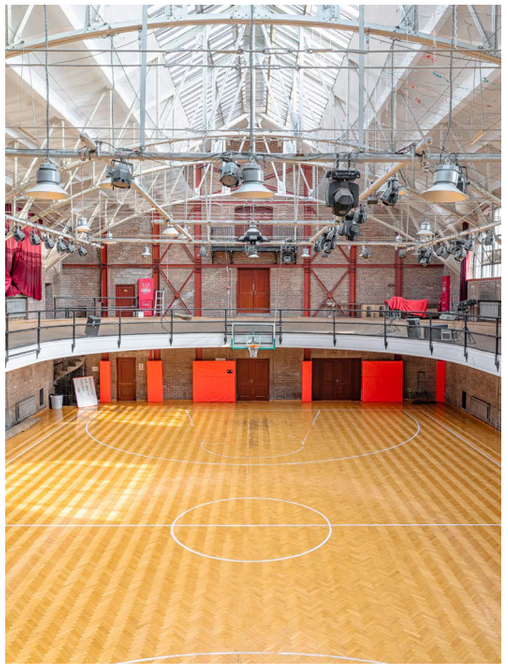
Natatorium
Open Hours: 06:30-22:00

Badminton Hall
Open Hours: 06:30-22:00

Table Tennis Gym
Open Hours: 06:30-22:00

Tennis Court
Open Hours: 08:00-22:00

Website: http://www.thsports.tsinghua.edu.cn/publish/sportsen/index.html



7.4 Transport

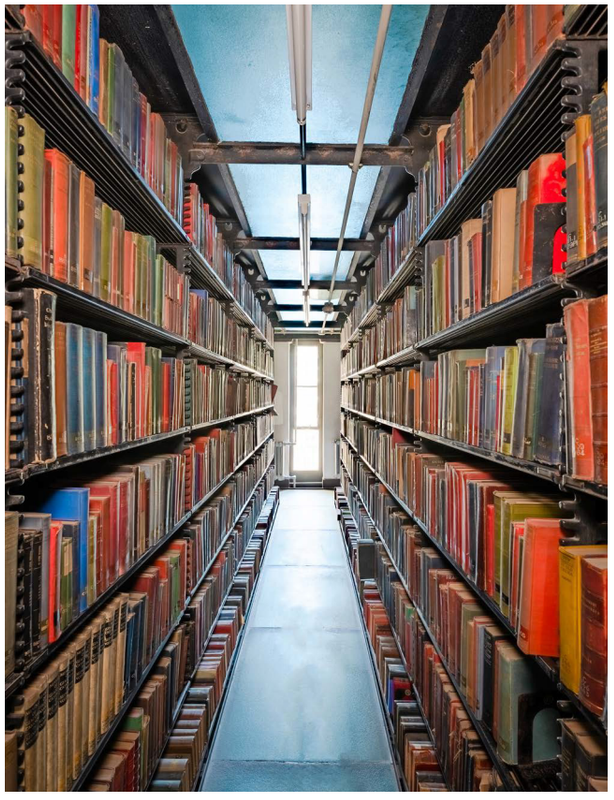
◆ *Campus shuttle bus*

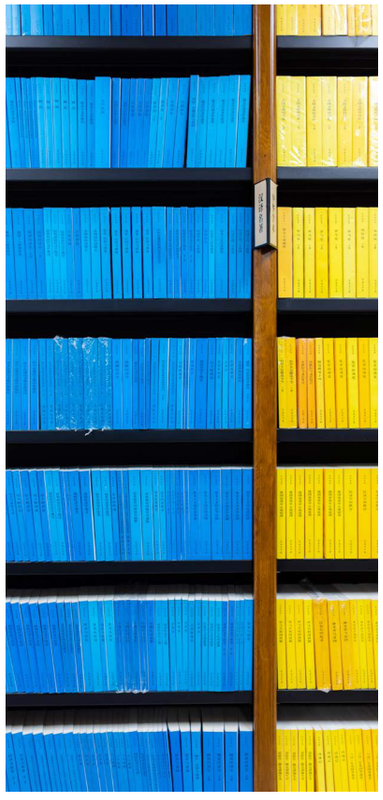
Timetable: **7:40, 9:20, 13:00, 14:50** (Only on workdays)

You can check "清华校园巴士" mini program on Wechat to see the timetable.

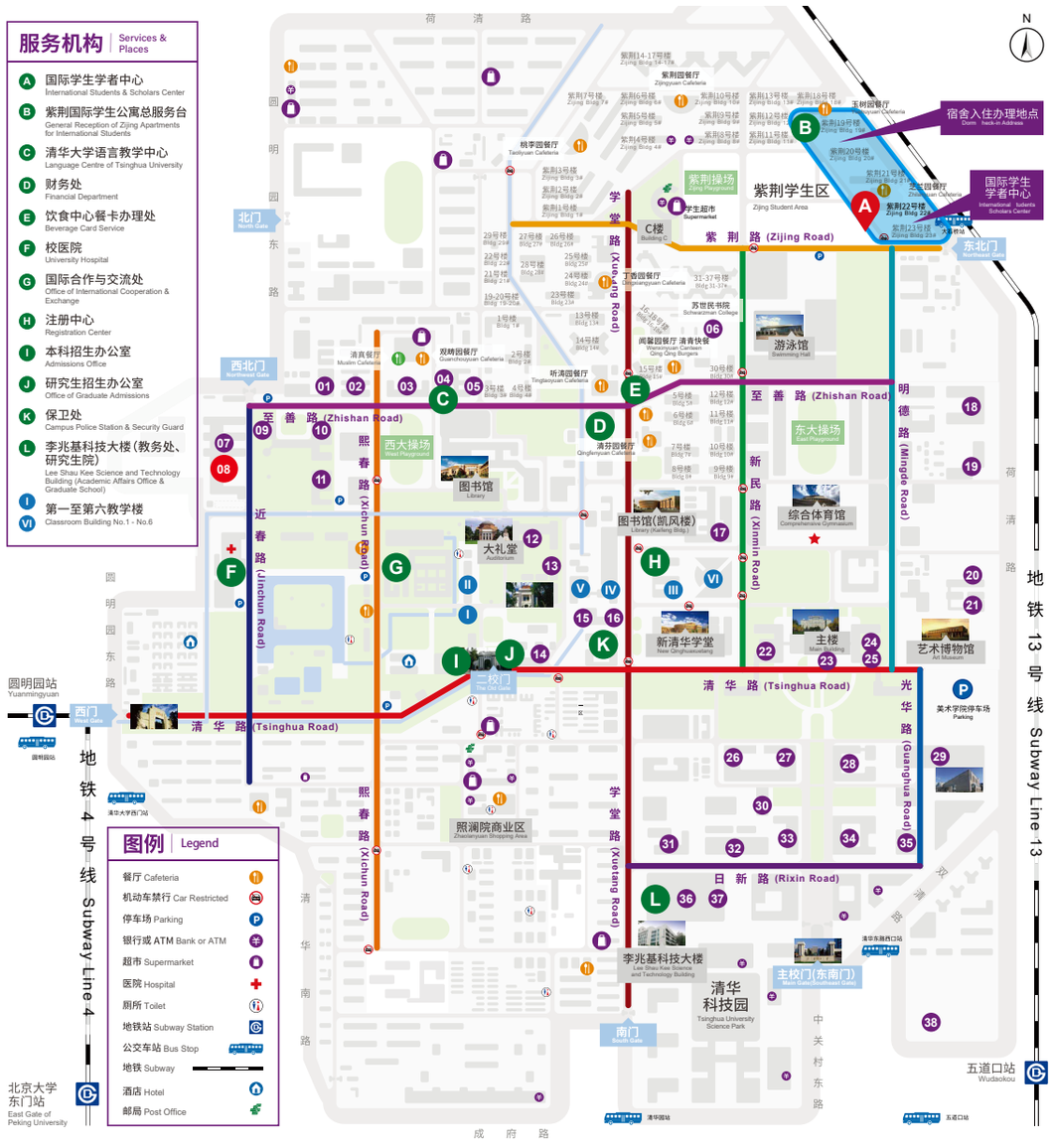
◆ *Subway Stations nearby*

- **Yuanmingyuan Park Station:** *Line 4, near the West Gate, 15-20 mins to walk to the School of Pharmaceutical Sciences (Medical Science Building)*
- ***Tsinghua East Road Xikou Station:*** *Line 15, near the East Gate, 15-20 mins to walk to the Tsinghua Zijing International Students Apartment*
- ***Wudaokou Station:*** *Line 13, near the Main Entrance, 15-20 mins to walk*

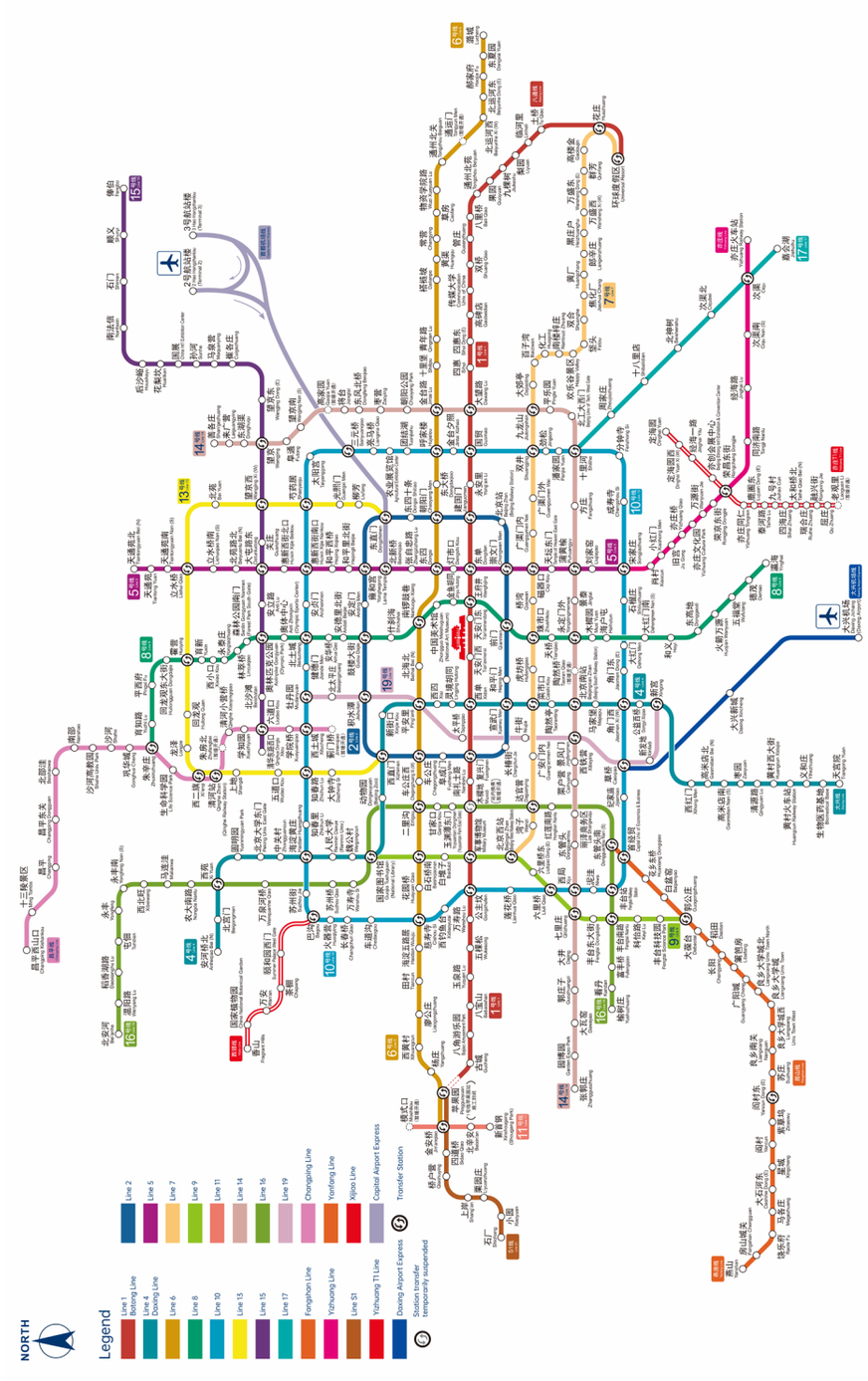




7.5 Map of Tsinghua University



7.6 Beijing Rail Transit Lines



Notes:

清華大學药学院

School of Pharmaceutical Sciences, Tsinghua University

AMGEN® Foundation

Inspiring the Scientists of Tomorrow

