

CHINA SCHOLARSHIP COUNCIL-YALE WORLD SCHOLARS

In the Combined Program in the Biological & Biomedical Sciences (BBS) 2016-2017



Twenty-first century research in the biological and biomedical sciences is fast-paced, exciting, and interdisciplinary. Training students to excel in this research environment is the singular goal of Yale University's BBS Program.

BBS provides unified recruiting, admissions, and training for the Ph.D. in all of the bioscience graduate programs at Yale. BBS faculty are from all of Yale's bioscience departments and also include faculty from Engineering, Psychology, Computer Science, Chemistry, Statistics, and many of Yale's clinical departments at the School of Medicine. Students in the CSC-Yale World Scholars Program have access to all the resources, labs and training opportunities in the Yale BBS Program, as well as special training designed specifically to ensure their success in graduate school. Please visit our website at bbs.yale.edu.

BBS First Year Training

Students apply to and affiliate with one of seven interest-based "Tracks" within BBS:

- Biochemistry, Biophysics & Structural Biology;
- Computational Biology and Bioinformatics;
- Immunology;
- Microbiology;
- Molecular Cell Biology, Genetics & Development;
- Molecular Medicine, Pharmacology & Physiology;
- Neuroscience;
- (NEW) Plant Molecular Biology

First-year students take two to three courses per semester, conduct two to four lab rotations, and then select a thesis adviser in whose lab they will conduct their doctoral research.

Second Year and Beyond

Second year students join one of the Ph.D. programs below:

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| Cell Biology | Interdepartmental Neuroscience Program |
| Cellular and Molecular Physiology | Microbiology |
| Computational Biology and Bioinformatics | Molecular Biophysics and Biochemistry |
| Experimental Pathology | Molecular, Cellular, and Developmental Biology |
| Genetics | Neurobiology |
| Immunobiology | Pharmacology |

Students finish course requirements, take a qualifying exam, act as teaching assistants in lecture or lab courses, and conduct thesis research. The average time-to-degree for BBS students is 5.5 years.

The China Scholarship Council-Yale World Scholars Program

Yale University has a deep and long-standing relationship with China. Many leaders in China trained at Yale, and there are currently over 80 joint programs and projects between Yale and China. The China Scholarship Council (CSC)-Yale World Scholars Program started in 2006 as the first joint project involving graduate training in biomedical sciences. The goal of the program is to bring graduates from leading Universities in China to Yale for graduate studies in Yale's BBS program in order to train leaders who can contribute significantly to research in China. CSC-Yale students have access to all the resources of the BBS program and Yale. Regardless of the BBS Track they enter in their first year and the department they join in their second year, students are free to take classes, do lab rotations, conduct thesis research, and attend seminars anywhere on the Yale campus. In addition, CSC-Yale Scholars have customized professional development activities. Following completion of Ph.D. studies at Yale and postdoctoral training, students will return to China for at least two years. Funding for the program is provided by two-year fellowships from the China Scholarship Council, and by Yale.

Professional Practices in Biomedical Science. Through meetings with successful Yale faculty and senior members of the Yale administration, CSC-Yale World Scholars will be introduced to the critical practices, strategies, and conventions necessary to become future leaders in biomedical research. For example, Scholars meet with faculty to gain insights on how to succeed in graduate school, run a successful research lab, start a biotech company, or translate basic science discoveries into clinical advancements. Students also have the opportunity to meet with deans, vice presidents, or provosts, to learn about the operations of leading a research university. Meetings are exclusively for CSC-Yale World Scholars and are not offered to other students.

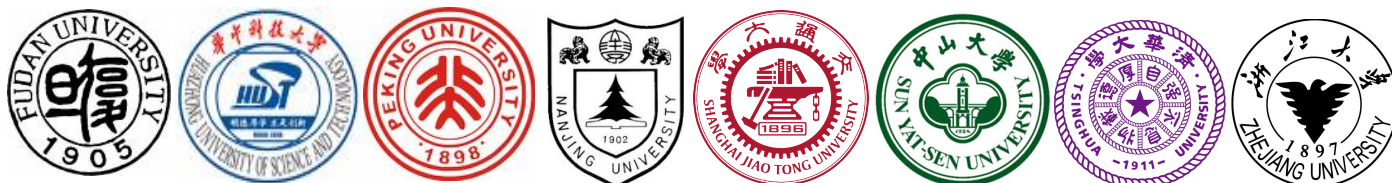
English Communication for Scientists. Scholars will be enrolled in Yale's English Language Program and will participate in a six-week intensive program to improve their English language skills. The course will help students with the fundamental skills of pronunciation, vocabulary, reading, and conversation with a special emphasis on scientific and technical literature, but it will also introduce them to scientific writing and public speaking. The ability to write for publication in scientific journals and to present one's research in a public forum are indispensable to becoming successful scientists, and this communications course will provide students with the necessary foundations to acquire these skills during their graduate training.

Education and Research Facilities

Yale University and its School of Medicine constitute one of the world's great research institutions. Yale is among the top universities in research funding from the National Institutes of Health and the Howard Hughes Medical Institute. It also has hundreds of thousands of square feet of research space, much of it in new or newly renovated buildings. Additionally, the university continues to expand into a brand new research campus that it acquired from a major pharmaceutical company.

The BBS faculty members are leaders in virtually every major field of modern biological and biomedical sciences, and despite their commitment to their own laboratories, they pride themselves on maintaining an educational and research environment that is both collaborative and supportive. Students should expect to interact with numerous faculty members as part of their training at Yale.

CHINA SCHOLARSHIP COUNCIL-YALE WORLD SCHOLARS Applying to the BBS Program 2015-2016



Qualifications of Applicants

The BBS Program seeks applicants who have the following qualifications:

1. *A strong background in the Life Sciences.*

Students can major in any of the biological sciences (biology, biochemistry, biophysics, molecular biology, cell biology, genetics, physiology, neuroscience or other related fields) or in chemistry, physics and mathematics. The best applicants with biology degrees will also have taken classes in chemistry, organic chemistry, and physical chemistry. Non-biology majors should have taken at least introductory level biology classes.

Yale is in the midst of expanding its research and training opportunities in the plant sciences, and the BBS Program is particularly interested in recruiting students with research interests in plant molecular biology.

2. *Laboratory research experience.*

Admissions committees will strongly favor applicants who have previous research experience. Most importantly, students should be able to think independently in the lab rather than simply follow the instructions of a supervisor.

3. *High academic standards.*

Applicants should have very high grades in their undergraduate courses as well as strong GRE scores. All applicants are required to submit GRE General Test and TOEFL scores. Although high scores are attractive to admissions committees, a strong academic record and research experience are also very important.

4. *English proficiency.*

It is very important that applicants have the ability to speak and write fluently in English. Students who are very intelligent and highly motivated, yet who have difficulty communicating in English, will struggle to succeed in graduate school at Yale.

Nominations

Eight Chinese institutions currently participate in the CSC-Yale World Scholars Program: Fudan University, Huazhong University of Science and Technology, Nanjing University, Peking University, Shanghai Jiao Tong University, Sun Yat-Sen University, Tsinghua University, and Zhejiang University. Each institution nominates 4 students and officially conveys the information to Li Meng, Deputy

Director of CSC at lmeng@csc.edu.cn, and to John Alvaro, BBS Administrative Director, at john.alvaro@yale.edu. The 32 students apply to Yale via the process described below.

Application Process

Prior to beginning the application process, nominated students should contact John Alvaro at john.alvaro@yale.edu to request an application fee waiver. Dr. Alvaro will send them a fee waiver form, which they will include in their online application. With this form, they will NOT need to pay the application fee.

All students apply to the BBS Program via the Yale Graduate School's online application, which is available from our website at www.bbs.yale.edu. On the application, students select a first choice BBS Track to which they wish to apply. Each Track has a separate admissions committee that will review its own applications. Although the BBS application deadline is at the beginning of December, nominees for the CSC-Yale World Scholars program should submit their applications no later than November 1. Faculty from the BBS Program will travel to China in December to interview applicants, and the November 2 deadline provides faculty with sufficient time to review application materials before the interviews.

To prepare for the CSC-Yale World Scholars interview in China, we strongly encourage incorporating student interviews by faculty in the process of selecting nominees for the program. Students who have an opportunity to practice are more experienced and therefore more successful during the formal Yale interview process.

After the interviews with the Yale faculty have been completed, the BBS admissions committees will select the top nominees from the pool of 32 applicants to recommend for admission to Yale Graduate School. These Scholars will be the best candidates in the judgment of the Yale admissions committees and will not necessarily be evenly distributed among the Chinese universities. The Dean of the Graduate School makes all final admissions decisions, which will be communicated to the students, the CSC and the Chinese universities in writing.

The students admitted to Yale then apply for a CSC fellowship via an online application, available at <http://apply.csc.edu.cn>. The CSC will officially announce the selection results to relevant Chinese universities and grantees in official documents.

国家留学基金管理委员会与美国耶鲁大学 生物医学世界学者奖学金介绍

一、简介

根据国家留学基金管理委员会与耶鲁大学签署的合作谅解备忘录，特设立“国家留学基金委-耶鲁生物医学世界学者奖学金”，资助我国优秀本科毕业生赴耶鲁大学攻读生物医学博士学位。目前，该协议仅接受如下单位（以下简称“协议单位”）人员的申请：北京大学、清华大学、浙江大学、复旦大学、华中科技大学、南京大学、上海交通大学、中山大学。

1. 学校概况

耶鲁大学(Yale University)坐落于美国康乃狄格州纽黑文市，始创于1701年，是美国历史上建立的第三所大学，长青藤联盟成员之一。该校最强的学科是社会科学、人文科学以及生命科学，排名均在全美前十位。耶鲁现拥有包括耶鲁学院、研究生院在内的12个学院。该校教授阵容、课程安排、教学设施方面堪称一流。

2. 主要优势学科

生物学、生物化学、生态学、天文学、建筑学、历史学、文化研究、美国研究等。

二、资助计划与类别

1. 协议名额:20人/年

2. 选派类别及留学期限

博士研究生：留学期限为72个月（国家留学基金资助期限为24个月）

3. 重点资助学科、专业领域

生物医学

三、资助内容

1. 国家留学基金提供留学人员在耶鲁大学留学期间第一、二年的奖学金生活费（2,500美元/人/月）和部分学费，一次往返国际旅费及签证申请费；

2. 留学人员在该校攻读生物医学博士期间所需其他经费由耶鲁大学支付。

四、申请条件

1. 申请人应符合《2017年国家建设高水平大学公派研究生项目选派办法》中规定的申请条件。

2. 申请人必须达到耶鲁大学博士学位课程在学术和英语水平方面的选拔标准，并自行获取耶鲁大学无条件攻读博士学位的正式录取通知。

3. 获得耶鲁大学推荐其申请“China Scholarship Council/ Yale University World Scholars in the Biomedical Sciences Scholarship”。

五、申请材料

请按照国家留学网“出国留学”《2017年国家建设高水平大学公派研究生项目专栏》中“应提交申请材料及说明”的要求准备材料。

注：申请人所提交的耶鲁大学正式录取通知中须明确推荐其申请“China Scholarship Council/ Yale University World Scholars in the Biomedical Sciences Scholarship”。

六、申请办法

按照《2017年国家建设高水平大学公派研究生项目选派办法》执行。

七、申请及选派流程

序号	时间	步骤	具体内容	备注
1.	2016年9月-2017年3月	申请准备	各协议合作单位应在11月初向耶鲁大学推荐人选，每校可最多推荐4名候选人，并提前报国家留学基金委备案。被推荐人选于耶鲁大学规定的时间前向耶鲁大学进行网上申请，接到耶鲁通知的候选人将参加其于12月在中国境内组织的面试。详情请登陆耶鲁大学相关网页： http://info.med.yale.edu/bbs/cssc/index.html 。通过面试的申请人将获取耶鲁大学正式入学通知。 注：具体要求、申请程序和截止日期以耶鲁大学公布的信息为准。	申请人在申请过程中应注明申请“China Scholarship Council/Yale University World Scholars in the Biomedical Sciences Program”
2.	3月20日-4月5日	报名	申请人经所在单位审核同意后，登录国家公派留学管理信息平台进行网上报名，并向各国家留学基金委申请受理单位（以下简称受理单位）提交申请材料。	1. 所有申请材料须按要求上传至国家公派留学管理信息平台，请提前将申请材料转为电子版。 2. 国家留学基金委委托各受理单位统一受理本地区（单位、部门）的申请。受理单位负责接受咨询、受理、审核申请材料；国家留学基金委不直接受理个人申请。 3. 受理单位通讯地址及电话请查询国家留学网。
3.	4-5月	评审录取	国家留学基金委组织专家评审，公布录取名单。	录取通知及相关材料将通过受理单位转发至申请人所在单位，由其转发至申请人本人，或由受理单位直接转发申请人。。
4.	7月起	符合派出要求者，办理派出手续	1. 签订《资助出国留学协议书》并办理公证，交存保证金，办理《国际旅行健康证明书》等。 2. 联系教育部指定的留学服务机构办理签证申请、机票预订、生活费预领等事项，并领取《报到证》。	1. 具体要求、步骤及留学服务机构联系方式请参照《出国留学人员须知》（可从国家留学网下载）。 2. 7月至9月为办理派出手续高峰期，请提前了解具体要求，做好准备，合理规划时间。
5.		派出	联系留学服务机构领取机票、签证等，陆续派出。 抵达所在国后，请按照所属使（领）馆教育处（组）要求办理报到手续（联系方式请查阅其网站）。	1. 派出时间一般为当年9月，具体时间以校方录取通知为准。 2. 请在资格有效期内派出，未按期派出者，留学资格自动取消。

以上信息供参考。各项目简章及遴选时间安排以国家留学网公布的内容为准。

八、咨询方式

1. 国家留学基金管理委员会

联系人：杨川/陈晨

电话：010-66093916

传真：010-66093945

E-mail: ny@csc.edu.cn

国家留学网: <http://www.csc.edu.cn>

国家公派留学管理信息平台: <http://apply.csc.edu.cn>

地址：北京市车公庄大街9号A3楼13层（邮编：100044）

2. 耶鲁大学

联系人：Anthony J. Koleske

Director, Combined Ph.D. Programs in Biological and Biomedical Sciences

Director, China Scholarship Council-Yale World Scholars Program

E-mail: anthony.koleske@yale.edu