



# Beijing Advanced Innovation Center for Food Nutrition and Human Health of China Agricultural University

## Recruiting Information

### ABOUT US

Beijing Advanced Innovation Center for Food Nutrition and Human Health of China Agricultural University (referred to as the Center) is one of the first advanced innovation centers financed by Beijing. The Center is established to carry out the Beijing and National Strategy of Innovation-Driven Development, by targeting needs from the world's cutting edge science and technology as well as national key technologies, taking advantage of quality innovation strengths and resources from worldwide market, and contracting international leading talents, in order to achieve major breakthroughs in original theory and key core technologies, producing influential technical results and outstanding talents. It aims to become an influential base across the world for technology innovation and talent training in the field of food nutrition and health.

Beijing municipal government has been giving continuous support to the Center, which received RMB 500 million as its first grant. China Agricultural University attaches great importance to the construction of the Center while continuously pushing forward the reform of technology innovation and talent training, as part of the construction of Special Science & Technology Zone and Special Talent Zone.



# RESEARCH DIRECTION

## I. Nutrition and Health

To study the absorption and metabolism of nutrients and to systematically explore the relationship between nutrition and human health from the levels of molecular nutrition, human nutrition and public nutrition, and to provide evidence-based basis for formulating nutrition demand and nutrition intervention strategies in China through the methods of nutrition promotion and nutrition intervention.

## II. Agricultural Environment and Health

Taking human as research object, to explore the evolution, accumulation and transmission of harmful substances (pesticides, veterinary drugs, and microorganisms) in agriculture and the mechanism of their impact on human health, to provide scientific basis for the prevention and control of environmental hazards and the prevention of their damage to human body.

## III. Smart Health Engineering

Adopting mainline of “health evaluation—risk analysis — health management — health promotion”, to systematically analyze factors and bio-mechanisms that threaten human health, to construct a human health evaluation system, and to use means of artificial intelligence and engineering technology; Thus, to develop new method, new technology and new equipment for health assessment and human health management.



## TEAM BUILDING

Since the establishment, the Center has recruited 22 Senior Principal Investigators (PI), including 4 Academicians, 3 Distinguished Professor of Yangtze River Scholar Professors, 2 PIs elected by the Thousand Talents Program, and 5 awardees of the National Science Fund for Distinguished Young Scientists. Moreover, 47 Junior PIs, 48 postdoctoral researchers and 183 postgraduate students have joined the Center.

Building upon the principle of taking the best advantage of high salaries and financial supports, the Center pursues the absorption of high-level talents adopted the construction mode of integrating big science with cross-discipline. Through fully respect and embody the value of scholars, the Center stimulates and releases their creative vitality to the great extent.



# INFRASTRUCTURE AND FACILITIES

The Center has laboratories with 10000 square meters and more than 550 units (pieces) of large instruments and equipment, including Leica Confocal Laser Scanning Microscopy Platform, Single-Cell AutoPrep System, Extracellular Flux Analyzing System, Spectral Advanced Molecular Imager, etc. Furthermore, the Center also conducts research projects relying on the existing laboratories in the College of Food Science & Nutritional Engineering, College of Biological Sciences, College of Veterinary Medicine, and College of Science in China Agricultural University.

## SUPPORTING PLATFORMS



Assessment System of Animal  
Energy Metabolism



Experimental Animal  
Platform



Innovation Platform of  
Food Green Manufacturing



Experimental Animals &  
Transgenic Model Pigs Center



Single Cell Sequencing  
Platform



Probiotics  
Production Pilot



Detection and Risk  
Assessment Platform of  
Pesticide, Veterinary Drug and  
Chemical Pollutants



Human Health Assessment,  
Promotion & Education  
Center

# RESEARCH SPECIALTY WANTED

PIs specialize in 10 segmentations of food nutrition and human health field are wanted for our 2019 recruitment program. Scientists from other relevant emerging and interdisciplinary research fields are welcome to join us.

1. Nutriology
2. Nutrition and Disease
3. Gut Microbiome and Health
4. Health Biology
5. Basic Medicine
6. Biomedical Engineering
7. Prevention and Control of Chronic Diseases such as Glycolipid Metabolism
8. Animal Model of Metabolic Disease
9. Nutrition and Health Big Data
10. Bioinformatics

## POSITIONS

Generally only 1 PI is needed for each of the key research areas, by Leading Talent or Outstanding Talent assessment.

I. Leading Talent: Hired as Professor of at least the 3rd rank.

With a doctorate, his or her age should be under 45. Applicants should serve as tenured associate professors or equivalents at leading universities and research institutes in China or abroad, with world-class academic level, high enough to lead the development of this research field.

If the applicant passes the selection, he/she is expected to work full time.

II. Outstanding Talent: Hired as Professor (researcher) of the 4th rank

With a doctorate, his or her age should be under 40. The applicant is expected to have achieved outstanding academic achievements in his field of work, and have been recognized by peers. He or she should have a broad vision and innovative thinking, with the potential to become a leading figure in their field.

If the applicant passes the selection, he/she will need to work full time, and the first employment period is 5 years.





# REMUNERATION

## 1. Remuneration

The Center will offer a basic annual salary as per what is offered by the world's leading universities, and provide internationally competitive compensation for the selected candidates according to specific circumstances.

## 2. Housing Assurance

For Leading Talents: They are entitled to purchase our policy-related houses, generally of 140-170 square meters each, when the requirements are met. The rest of them enjoy free use of similar houses during their term of employment.

For Outstanding Talents: They have priority to rent our housing for talents during their term of employment. For any apartment of less than 105 square meters they use, no fees will be charged. For each square meter exceeding that limit, RMB 20 will be charged per month as the rent.

## 3. Research Guarantee

The Center will provide sufficient start-up fund of RMB 2M to 3M per year for scientific research as required. The university gives priority support in terms of laboratory space, team outfit, and enrollment quota allocation of doctoral students.

## 4. Other Benefits

We provide a one-stop service for talent recruitment, which include solving problems in nursery and school enrollment of our employees' child/children, so as to relieve their possible concerns.

# APPLICATION REQUIREMENTS

1. Resume;
2. A list of main academic achievements, publications and awards obtained in the last five years;
3. Future research plan;

Please send the electronic or scanned copy of the above-mentioned materials to the Center's e-mail.

# CONTACT US

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Haidian District, Beijing, China

Postal Code: 100193

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Feel free to contact us by any means.  
We have a dedicated team to answer your questions  
regarding the recruitment and relevant policies.



# Advanced Innovation Center for Food Nutrition and Human Health





## ABOUT US

The Advanced Innovation Center for Food Nutrition and Human Health of China Agricultural University (hereinafter referred to as the Center) is one of the first batch of advanced innovation centers that supported by universities to construct and develop in Beijing.

Since the establishment in September 2015, the Center has been focusing on metabolic syndrome which is a major health problem in China. Taking “health assessment - risk analysis - health management - health promotion” as the principal line, the Center systematically analyzes the factors and bio-mechanism that threaten human’s health, sets up scientific human health assessment system, conducts research on epidemiologic features, molecular mechanism and nutritional intervention, puts forward the strategies in nutritional intervention and metabolic disorders, and develops the products of nutritional intervention and intelligent health management.

Relying on the financial support granted by Beijing Municipal Government, the Center attaches to China Agricultural University to build Special Zone for Science and Technology and Special Zone for Talents. Taking the principle of opening up to the world, attracting world-class scholars and cherishing talents, the Center has gathered excellent talents at home and abroad. By putting tremendous effort, the Center strives to be an international first-class academic innovation highland for food nutrition and human health research, a high-level innovative talents training base and the front for new technologies of healthy food, so as to provide scientific basis, technical support and transformation platform for the development of China's health food industry.





# CENTER'S POSITIONING

With talents in nutrition and health domestically and abroad, the Center will be built into an international first-class innovation platform, so as to forge China's big health industry.

## GOALS

- I. To explore the mechanism of human glucolipid disorder and the scheme of nutritional intervention.
- II. To develop theory and technology to prevent and control the environmental risk factors that influence human's health.
- III. To incubate advanced nutrition and health industry and break the situation that health foods are monopolized by foreign countries.

## RESEARCH DIRECTION

### I. Nutrition and Health

The Center researches the absorption and metabolism of nutrients, discusses the relation between nutrition and human health from three aspects of molecular nutrition, human nutrition and public nutrition, provides evidence-based basis to formulate nutrition demand and nutritional intervention strategies for Chinese population by taking nutrition promotion and nutritional intervention as means.

### II. Agricultural Environment and Health

Taking human as research object, the Center explores the evolution, accumulation and transmission of hazardous substances (pesticides, veterinary drugs and microorganisms) in agriculture and the mechanism of their impact on human health, provides scientific basis for preventing and controlling of environmental hazards and blocking their damage to human body.

### III. Intelligent Health Project

Taking "health assessment - risk analysis - health management - health promotion" as the principal line, the Center systematically analyzes the factors and bio-mechanism threatening people's health, sets up scientific human health assessment system, applies artificial intelligence and engineering techniques and develops new methods, technologies and equipment for health assessment and human health management.





## TEAM BUILDING

Adhering to the concept of putting scientists at the first place, the Center fully respects and reflects the value of researchers, stimulates and releases their creativity to the hilt. Besides, the Center launches financial support to attract international leading innovative talents with competitive salaries and research funds. Since the establishment, the Center has added 1 academician, 1 Changjiang Scholar, 1 awardee of Thousand Youth Talents, 4 awardees of National Science Fund for Outstanding Youth, 2 winners of Beijing Nova Program and 5 high-level talents recruited through China Agricultural University's hiring system.

Currently, the Center has employed 22 principal investigators (PI), including 4 academicians, 3 specially - appointed professors of Changjiang Scholar, 2 PIs who were elected into the Thousand Talents Program, and 5 awardees of the Distinguished Young Scientists. Besides, there are 47 post scientists, 48 post-doctors and 183 postgraduates who have also joined the Center.

## INFRASTRUCTURE AND FACILITIES

With a total area of 10,000 square meters, the laboratories are equipped with more than 550 large-scale instruments and equipment, including Confocal Laser Scanning Microscope, Single-Cell AutoPrep System, Extracellular Flux Analyzing System, SPECTRAL Advanced Molecular Imager, etc.





# SUPPORTING PLATFORMS



Assessment System of  
Animal Energy Metabolism



Innovation Platform of  
Food Green Manufacturing



Experimental  
Animal Platform



Experimental Animals &  
Transgenic Model Pigs Center



Probiotics  
Production Pilot



Single Cell  
Sequencing Platform



Detection and Risk Assessment  
Platform of Pesticide, Veterinary  
Drug and Chemical Pollutants



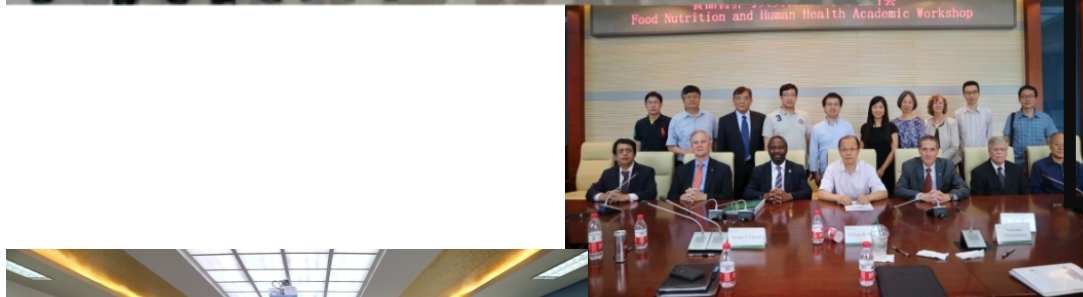
Human Health Assessment,  
Promotion & Education Center





# ACADEMIC EXCHANGE

While supporting and encouraging the invitation and dispatch of researchers, the Center has organized multilevel and multiform academic exchange activities. After launching the Program of Introducing Innovative Talents in Nutrition and Health, the Center invited many internationally renowned experts including a Nobel Prize winner to give lectures. From October 17 to 20, 2016, the Center successfully held the 2016 International Conference on Food Nutrition and Human Health and invited many experts and professors from Cornell University, University of California, Davis, Auburn University, Wageningen University, University of Sao Paulo and Nottingham Trent University to discuss and exchange opinions on the relation between food nutrition and human health. On May 27, 2017, the Center held an academic seminar on Food Nutrition and Human Health. 24 scientists from Auburn University and the Center made face-to-face exchanges on related topics.





# SCIENTIFIC RESEARCH AND SERVICES

## I. Major Innovative Breakthroughs

The Center discovered the super drug resistance gene from human food chain for the first time and published the results in the Lancet Infectious Disease, Nature Microbiology and other top academic journals, which enhanced Chinese international influence in the research field of bacterial drug resistance and played an important role in the revision of antimicrobial drugs for livestock in China.

The Center analyzed the molecular mechanism of antioxidase system affecting human health and published the research finding in Physiological Reviews, a top global journal (IF=35.337).

As the first institution in China that set up the first - class interdisciplinary in Nutrition and Health, the Center aims to cultivate talents whose are in urgent need for the development of China's health industry.

## II. Social Service and Application

The academician proposal of Developing China's Nutrition and Health has been highly appreciated by relevant leaders of the State Council and played an important role in formulating the Healthy China 2030 strategy.

The Center has developed the most advanced probiotics - related base to transform scientific and technological achievements into application. Along with the cooperation built with more than 10 enterprises, the monopolized situation that manipulated by foreign companies has been broken.





# CONTACT US

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# 中国农业大学

## 食品营养与人类健康高精尖创新中心

### 招聘启事



#### 中心介绍

中国农业大学食品营养与人类健康高精尖创新中心（以下简称中心）北京市首批建设的高精尖中心之一，中心以服务北京和国家创新驱动发展战略为出发点，面向世界科技前沿及国家重大关键技术需求，积极吸纳国际优质创新力量和资源，广聚国际领军创新人才，深入推进协同创新和开放创新，力争在原创性理论和关键核心技术上取得大的突破，产出一批有影响力的成果，造就一批杰出人才，在营养与健康前沿交叉领域成为具有全球影响的科技创新和人才培养基地。

北京市持续稳定地对高精尖中心进行滚动支持，第一期获资助5亿元。学校高度重视中心的建设，按照科技特区、人才特区，不断深化中心科技创新和人才培养的改革。

#### 研究方向

##### 营养与健康

研究营养素的吸收与代谢过程，从分子营养、人体营养、公共营养三个层次，系统探讨营养与人类健康的关系，以营养提升和营养干预为手段，为制定基于中国人群营养需求和营养干预策略提供循证依据。

##### 农业环境与健康

以人为研究对象，探究有害物质（农药、兽药、微生物）在农业各环节的演变、积累及传播过程，及对人体健康影响的机制，为防控环境有害物和阻断其对人体的损伤提供科学依据。

##### 智能健康工程

以“健康评估—风险分析—健康管理—健康促进”为主线，系统解析威胁人群健康的因素及生物机制，建立科学的人体健康评估体系，并运用人工智能和工程技术手段，为健康评估和人体健康管理研发新方法、新技术、新装备。



## 团队建设

中心目前聘任的首席科学家共计22位，其中包括院士4位、长江学者3位、千人2位、杰青5位，聘任岗位科学家共计47位，在站博士后48人、研究生183人。

中心本着“不求所有、但求所用”的原则，采用多学科交叉的建设模式，以具有国际竞争力的薪酬、高标准的启动经费和资金支持，开放聚集国际领军创新人才。中心秉承以“科学家为中心”的理念，充分尊重、体现科研人员价值，最大限度激发和释放科研人员的创造活力。

## 基础配套

中心科研办公场所总面积10000平米，拥有大型仪器设备550余台（套），包括激光共聚焦显微镜、单细胞自动制备系统、细胞能量代谢分析系统、荧光生物成像系统等。

## 支撑平台



动物营养与能量代谢系统平台



实验动物平台



食品营养绿色制造创新平台



模式动物猪资源中心



单细胞线粒体DNA测序平台



益生菌中试平台



农兽药及化学污染物  
检测与风险评估平台



营养健康与饮食文化教育平台



## 招聘领域

围绕食品营养与人类健康，中心2019年重点在10个研究领域面向全球招聘首席科学家（PI）。同时欢迎其他相关新兴和跨学科研究领域的科学家加盟。

1. 营养学
2. 营养与疾病
3. 肠道微生物与健康
4. 健康生物学
5. 基础医学
6. 生物医药工程
7. 糖脂代谢类等慢病防控
8. 代谢疾病动物模型
9. 营养与健康大数据
10. 生物信息学

## 招聘岗位

在每个重点招聘的研究领域一般招聘1位PI，根据应聘人员的具体情况，按照领军人才或杰出人才引进。

1. 领军人才：聘为教授三级及以上岗位。

应聘人应在国内外一流大学、科研院所担任终身副教授以上或相当职务，具有国际一流的学术水平，能够引领本研究领域的发展方向。如果通过评选，需全职来校工作。

2. 杰出人才：聘为教授（研究员）四级岗位。

具有博士学位，年龄一般不超过45周岁。在所从事领域已取得较为突出的学术成绩，并获得学术界同行认可，具有广阔的学术视野和创新思维，有成为该领域领军人物的潜质。

如果通过评选，需全职来校工作，首聘期5年。



## 薪酬待遇

### 1. 薪酬待遇

实行基础年薪制，参照国际一流大学相应职位，根据具体情况，为入选者提供有国际竞争力的薪酬。

### 2. 住房保障

领军人才：符合购买政策性住房条件的，可购买学校的政策性住房，面积一般在140-170平方米，不符合购房条件的，在聘期内免费使用学校提供的同类型住房。

杰出人才：在聘期内优先租住学校的人才住房，在105平米以下，免费使用。超过105平米的部分，按照每月每平方米20元的价格交纳租金。

### 3. 科研保障

根据工作需要，提供充足的科研启动经费，每年为团队提供200-300万元的经费支持，学校在实验室空间、团队配备、博士生招生指标等方面给予优先支持。

### 4. 其他待遇

学校为引进人才提供一站式服务，协助解决子女入园入学等问题，为引进人才解决后顾之忧。

## 应聘材料

- 1.个人简历；
- 2.近五年承担科研项目、发表论文及获奖成果清单；
- 3.未来研究计划；

以上材料均需提供电子文档或扫描件，并发至中心电子邮箱。

## 联系方式

食品营养与人类健康高精尖创新中心办公室

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欢迎通过各种形式与中心联系

我们有专人负责及时解答应聘问题和相关政策咨询

中国农业大学食品营养与人类健康高精尖创新中心PI招聘常年进行  
诚邀海内外领军创新人才加盟



# 食品营养与人类健康高精尖创新中心 介绍





## 关于我们

中国农业大学食品营养与人类健康高精尖创新中心（以下简称中心）是北京市首批启动建设的高校高精尖创新中心之一。

中心自2015年9月组建以来，聚焦困扰我国重大健康问题“代谢综合征”，以“健康评估—风险分析—健康管理—健康促进”为主线，系统解析威胁人群健康的因素及生物机制，建立科学的人体健康评估体系，从流行病特征、分子调控机制、营养干预方面开展系统研究，提出营养干预代谢紊乱的策略，并开发营养干预与智能健康管理产品。

中心依托北京市政府资助，作为中国农业大学的“科技特区”和“人才特区”开展建设。以“面向全球开放，吸引世界一流学者，唯才是用”为宗旨，汇聚国内外优秀人才。力争通过几年的建设，使中心成为国际一流的食品营养与人类健康研究的学术创新高地、高水平创新人才培养基地、引领健康食品新技术研发的阵地，为我国健康食品产业的发展提供科学依据、技术支撑和转化平台。





# 中心定位

汇聚营养与健康国内外人才，组建国际一流创新平台，打造我国大健康产业。

## 任务目标

探究人类糖脂代谢紊乱机制与营养干预方案；  
建立影响人类健康的环境风险因子的防控理论与技术；  
孵化营养健康高精尖产业，打破健康食品国外垄断的局面。

## 研究方向

### 1、营养与健康

研究营养素的吸收与代谢过程，从分子营养、人体营养、公共营养三个层次，系统探讨营养与人类健康的关系，以营养提升和营养干预为手段，为制定基于中国人群营养需求和营养干预策略提供循证依据。

### 2、农业环境与健康

以人为研究对象，探究有害物质（农药、兽药、微生物）在农业各环节的演变、积累及传播过程，及对人体健康影响的机制，为防控环境有害物和阻断其对人体的损伤提供科学依据。

### 3、智能健康工程

以“健康评估—风险分析—健康管理—健康促进”为主线，系统解析威胁人群健康的因素及生物机制，建立科学的人体健康评估体系，并运用人工智能和工程技术手段，为健康评估和人体健康管理研发新方法、新技术、新装备。





## 团队建设

中心秉承以“科学家为中心”的理念，充分尊重、体现科研人员价值，最大限度激发和释放科研人员的创造活力。以具有国际竞争力的薪酬、高标准的启动经费和资金支持，开放聚集国际领军创新人才。中心自成立以来，新增院士1位，长江学者1位，青千1位，优青4位，北京市科技新星2位，通过中国农业大学高层次引进人才5位。

中心目前聘任首席科学家共计22位，其中包括院士4位、长江学者3位、千人2位、杰青5位，聘任岗位科学家共计47位，在站博士后48人、研究生183人。

## 基础配套

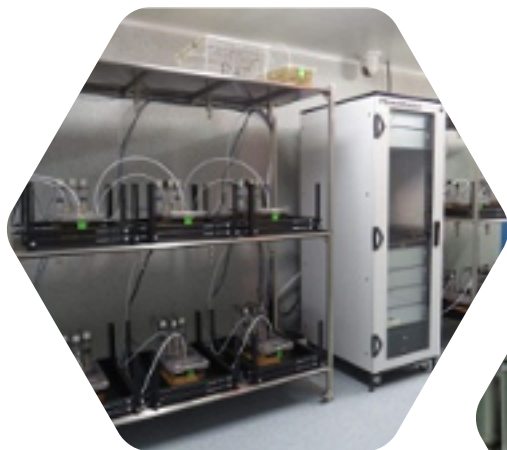
中心科研办公场所总面积10000平米，拥有大型仪器设备550余台（套），包括激光共聚焦显微镜、单细胞自动制备系统、细胞能量代谢分析系统、荧光生物成像系统等。







# 支撑平台



动物营养与能量代谢系统平台



食品营养绿色制造创新平台



实验动物平台



模式动物猪资源中心



益生菌中试平台



单细胞线粒体  
DNA测序平台



农兽药及化学污染物  
检测与风险评估平台

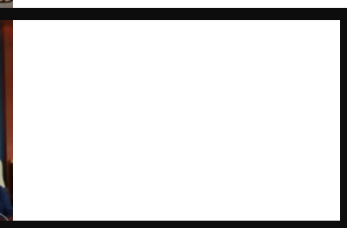


营养健康与饮食  
文化教育平台



# 学术交流

中心支持和鼓励科研人员的请进和派出，同时，有计划、多层次、多形式地组织各种学术交流活动。启动“营养与健康创新引智计划”，邀请包括诺贝尔奖获得者在内的多位国际知名专家到校讲学。2016年10月17-20日，成功举办“2016食品营养与人类健康国际会议”，邀请了美国康奈尔大学、加州大学戴维斯分校、奥本大学、荷兰瓦赫宁根大学、巴西圣保罗大学、英国诺丁汉特伦特大学的专家教授，围绕食品营养与人类健康的关系进行交流及探讨。2017年5月27日，举办“食品营养与人类健康”学术研讨会，来自中心及美国奥本大学的24位专家围绕“食品营养与人类健康”进行了座谈交流。







## 科研服务

### （1）重大创新突破情况

首次从人类食物链中发现了全新的“超级耐药”基因，成果在Lancet Infectious Disease、Nature Microbiology等顶级学术刊物上发表，提升了我国在细菌耐药性研究领域的国际影响力，对重新修订我国兽用抗菌药物的使用发挥了重要作用；

解析了抗氧化酶体系影响人体健康的分子机制，研究结果发表在全球顶级期刊Physiological Reviews（IF=35.337）；

筹建国内首个“营养与健康”一级交叉学科，为我国健康产业的发展培养专业化急需人才。

### （2）社会服务与应用情况

提交的“发展我国营养与健康”院士建议，获得了国务院相关领导的高度重视，为国家制定“健康中国2030”战略发挥了重要作用。

建设了我国最先进的益生菌科技成果转化基地，技术成果在10余家企业进行了应用，打破了相关产品国外垄断的局面。



# 联系方式

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