2026 中国天体生物学暨大洋洲天体生物学联合会议

China Astrobiology Meeting Joint Australasia Astrobiology Meeting 2026

（第三号通知）

天体生物学作为融合地球科学、生命科学等多学科的前沿交叉领域，是当前全球深空探测与基础科学研究的核心方向之一。近年来，随着各类深空探测任务的持续推进，行星宜居性、生命信号探测等研究方向不断取得突破性进展，学科已迈入快速发展的关键时期。本次“2026 中国天体生物学会议暨大洋洲天体生物学联合会议（China Astrobiology Meeting Joint Australasia Astrobiology Meeting 2026）”由中国古生物学会天体生物学分会与澳大利亚天体生物学研究中心（Australian Centre for Astrobiology）共同发起，旨在深化亚太地区天体生物学领域的实质性合作，共同攻关生命起源、地外生命探测等重大前沿课题。本次会议定于 **2026 年 8 月 27—31 日**在南京召开。

一、会议安排

会议聚焦生命起源、早期地球生命信号与火星生命痕迹探寻、行星宜居性演化、极端环境微生物与生命极限等前沿方向，交流最新技术、研究成果与科学认知，推动跨学科、跨区域协同创新。

1. 会议专题包括（但不限于）：

（1）生命起源：RNA 世界、代谢优先、非生物有机质与前生命化学、原始细胞等

（2）早期地球生命与火星生命痕迹探寻：早期地球生命记录、生命信号识别等

（3）行星宜居性演化：早期地球、类地行星环境演化与宜居窗口、系外行星

（4）极端环境微生物与生命极限：极端环境微生物、微生物-矿物相互作用等

2. 特邀报告人（持续更新中）（按姓氏英文拼写字母顺序排列）：

陈凌，中国科学院地质与地球物理研究所，主题：火星水活动探测与多尺度环境演变

董海良，中国地质大学（北京），主题：矿物－微生物相互作用

Nicolas Dauphas，香港大学，主题：太阳系的起源与演化

Shigeru Ida，西湖大学，主题：Delivery of water to habitable zones and destruction of refractory carbon in inner regions of protoplanetary disks during planet formation

蒋宏忱，河南大学，主题：Microbial community response to climate fluctuations recorded in the Lohmann core, Lop Nur: Implications for astrobiology

李一良，香港大学，主题：The Search for Life on Mars

林巍，中国科学院地质与地球物理研究所，主题：类火星环境天体生物学研究

刘勇勤，兰州大学/中国科学院青藏高原研究所，主题：冰冻圈极端微生物

刘竹，清华大学，主题：Space Adaptation of Methanogens and Its Implications for Life Detection of Tianwen-3 Mars Sample

鲁安怀，北京大学，主题：矿物光电子效应

Timothy Lyons，美国加利福尼亚大学河滨分校，主题：太阳系中的生命信号

Sabine Müller，德国格赖夫斯瓦尔德大学，主题：代谢演化与 RNA 世界假说

乔燕，中国科学院化学研究所，主题：面向生命起源的人工细胞

Joachim Reitner，德国哥廷根大学，主题：地球早期微生物－矿物相互作用

Martin Van Kranendonk，澳大利亚科廷大学，主题：前寒武纪地质和早期生命

张兴亮，西北大学，主题：Strategies of life in extreme environments--an astrobiological perspective

赵玉芬，宁波大学，主题：Phosphorus chemistry and the origin of life: from N-phosphoryl amino acid to protocell

赵宇鸿，成都理工大学，主题：火星古环境与生命标志物探测

3. 邀请报告人（持续更新中）（按姓氏英文拼写字母顺序排列）：

Albert Fahrenbach，澳大利亚新南威尔士大学，主题：代谢演化与 RNA 世界假说

David Flannery，澳大利亚昆士兰科技大学，主题：地球早期生命

郭萌，香港大学，主题：行星宜居性

郝记华，中国科学技术大学，主题：行星海洋中的有机质合成与转运

Simon Hohl，同济大学，主题：早期地球宜居性

Dominic Papineau，中国科学院深海科学与工程研究所，主题：Abiotic chemically oscillating reactions form botryoidal minerals in hydrothermal systems and dead biomass since the Hadean

屈原皋，中国科学院深海科学与工程研究所，主题：冰卫星潜在宜居环境的类比与模拟研究

王炜，中国科学院国家天文台，主题：中国系外行星探测任务

王晓，南京大学，主题：前生物小分子与非线性化学

王寅炤，上海交通大学，主题：AI 驱动的古菌极端环境适应演化

杨军，北京大学，主题：行星大气、云与宜居性

张宇，上海交通大学，主题：深海极端生境智联探测技术

4. 会议报告：本次会议报告语言为英文。报告形式分为口头报告及展板报告，展板报告海报尺寸为 A0 竖版，宽 84.1cm×高 118.9cm（84cm×119cm）。请于 **2026 年 8 月 15 日**前在线提交口头报告或展板报告题目。

5. 日程安排

8 月 27 日	全天	会议报到
8 月 28 日	上午	开幕式 专题报告

	中午	午餐
	下午	专题报告 Astrobiology Bulletin 期刊发布会
	晚上	天体生物学分会理事会会议
8 月 29 日	上午	专题报告
	中午	午餐
	下午	专题报告
8 月 30 日	上午	专题报告
	中午	午餐
	下午	专题报告 学生优秀口头、展板报告评选
8 月 31 日	全天	离会

注：会议报到地点为**紫金会议中心楼**，会议期间提供午餐和晚餐，参会代表的住宿及交通等其他费用自理。

6. 会议注册缴费

请在会议网站（www.aam2026.org）进行注册、缴费。

会议网站二维码

参会人员	提前在线缴费	现场缴费
在职人员	2800 元/人	3200 元/人
学生	2000 元/人	2200 元/人

注：**注册费提前在线缴费截止日期为 2026 年 8 月 14 日。**会议注册费由合肥蔻享数字科技有限公司代收；注册费发票由中国科学院南京地质古生物研究所开具。

合肥蔻享数字科技有限公司仅代收注册费，不涉及发票开具工作，特此说明。

会议设置优秀学生报告评选，包含优秀口头报告与优秀展板报告，欢迎同学们积极投稿参会。

7. 退费政策

已缴纳注册费的参会代表，如因故无法按期参会，可联系会务并按以下标准提交退费申请：

2026 年 8 月 19 日（含）前提出退费申请，可全额退还注册费

2026 年 8 月 20-26 日（含）提出退费申请，可退还 80% 注册费

2026 年 8 月 26 日后提出退费申请，不再办理退费

二、会议地点

1. 会议地点

江苏省南京市紫金山庄酒店，紫金会议中心楼；南京市玄武区环陵路 18 号

会议酒店协议价：紫金楼、金陵楼大床/标间 380 元（含单份早餐）

钟山楼大床/标间 490 元（含单份早餐）

注：由于暑期旅游旺季，报名时务必提交住宿需求，会务组将协调酒店预留房间。

预订联络：酒店总机 +86-25-84858888；王经理 +86-15850770592

2. 公共交通方式

禄口机场→会议酒店

机场（S1 号线）→南京南站（3 号线－林场方向）→南京林业大学·新庄站→出站换乘 309/141 路公交→上五旗站（步行 3 分钟）→紫金山庄（会议酒店）

南京南站→会议酒店

南京南站（3 号线一林场方向）→南京林业大学·新庄站→出站换乘 309/141 路公交→上五旗站（步行 3 分钟）→紫金山庄（会议酒店）

南京站→会议酒店

南京站北广场东站（ 309/141 路公交）→上五旗站（步行 3 分钟）→紫金山庄（会议酒店）

三、学术与组织委员会

1. 学术委员会

委员（按姓氏英文拼写字母顺序排列）：
Nicolas Dauphas、董海良、侯增谦、蒋宏忱、李一良、梁德海、刘勇勤、鲁安怀、、Timothy Lyons、Sabine Müller、潘永信、Joachim Reitner、孙卫东、Martin Van Kranendonk、肖龙、谢树成、徐义刚、张兴亮、赵国春、朱茂炎

2. 组织委员会

主席：朱茂炎

执行主席：殷宗军、Albert Fahrenbach

秘书长：南景博

执行委员：蚁瑞钦、Anna Wang、Indrani Mukherjee

委员（按姓氏英文拼写字母顺序排列）：

陈果、范斯腾、范晔、符慧山、郝记华、惠鹤九、黄康俊、黄婷、蒋云、鞠昀、李嘉琪、李小双、李子波、林莽、林巍、刘长卿、刘嘉成、刘洋、罗根明、罗茂、吕浩宇、苗兰云、屈原皋、沈冰、盛益之、史弦、唐红、王炜、魏广飞、吴耿、肖智勇、应见喜、张鑫、张晓静、张宇、张臻峰、赵健楠、赵宇鸿

四、会议组织结构

主办单位：中国科学院南京地质古生物研究所

中国古生物学会天体生物学分会

澳大利亚天体生物学研究中心（Australian Centre for Astrobiology）

承办单位：中国科学院南京地质古生物研究所古生物学与油气地层应用全国重点实验室

协办单位：

中国科学院广州地球化学研究所深地过程与战略矿产资源全国重点实验室、北京大学地外样品研究中心、中国地质大学地质微生物与环境全国重点实验室、中国科学院地质与地球物理研究所行星科学与前沿技术重点实验室

支持期刊：

Astrobiology Bulletin; Planet; Earth and Planetary Physics

五、参展赞助

为更好地搭建此次会议的交流平台，促进与各参会单位的沟通与互动，本届论坛面向行业内各单位进行招商招展，高校、企业、课题组、期刊等均可以申请参展。如有参展意向，请联系赵文老师（+86-15651800215）、姚琪老师（+86-15656926027），会务组将第一时间与您接洽，对接后续事宜。

六、会议秘书处联系方式

赵　文（wenzhao@nigpas.ac.cn；+86-15651800215）

苗兰云（hlmiao@nigpas.ac.cn）

南景博（jnan@nigpas.ac.cn）

China Astrobiology Meeting Joint Australasia Astrobiology Meeting 2026

(Third Circular)

Astrobiology is an interdisciplinary frontier that integrates Earth sciences, life sciences, planetary sciences, chemistry, astronomy, and related disciplines. It has become one of the key research areas driving global deep-space exploration and fundamental scientific discovery. In recent years, with the rapid advancement of planetary exploration missions, significant progress has been made in studies of planetary habitability, biosignature detection, and the origin and evolution of life, placing astrobiology at a pivotal stage of accelerated development. China Astrobiology Meeting Joint Australasia Astrobiology Meeting 2026 is jointly organized by the Astrobiology Society of the Paleontological Society of China and the Australian Centre for Astrobiology (ACA). The meeting aims to strengthen substantive collaboration among astrobiology researchers across the Asia-Pacific region and to promote joint research on frontier topics, including the origin of life, the search for extraterrestrial life, and planetary habitability. The conference will be held in Nanjing, China, from 27 to 31 August 2026.

I. Meeting Arrangements

The conference will focus on frontier topics in astrobiology, including the origin of life, biosignatures of early life on Earth and the search for evidence of life on Mars, the evolution of planetary habitability, and microorganisms in extreme environments and the limits of life. The meeting aims to provide a platform for presenting the latest technologies, research advances, and scientific insights while promoting interdisciplinary and international collaboration.

Meeting Topics (including but not limited to)

- Origins of Life: RNA world, metabolism-first pathways, abiotic organic matter, prebiotic chemistry, and protocells, etc
- Early Life on Earth and the Search for Biosignatures on Mars: early life records on Earth and biosignature detection, etc
- Evolution of Planetary Habitability: environmental evolution of the early Earth and terrestrial planets, habitable windows, and exoplanets, etc
- Extremophilic Microorganisms and the Limits of Life: extremophilic microorganisms and microbe-mineral interactions, etc

Keynote Speakers (continuously updated; in alphabetical order by surname)

Ling Chen
Institute of Geology and Geophysics, Chinese Academy of Sciences, China
Topic: Exploration of Martian Aqueous Activity and Multi-Scale Environmental Evolution

Hailiang Dong
China University of Geosciences, Beijing, China
Topic: Mineral–Microbe Interactions

Nicolas Dauphas
The University of Hong Kong, China
Topic: The origin and evolution of the solar system

Shigeru Ida
Westlake University, China
Topic: Delivery of water to habitable zones and destruction of refractory carbon in inner regions of protoplanetary disks during planet formation

Hongchen Jiang
Henan University
Topic: Microbial community response to climate fluctuations recorded in the Lohmann core, Lop Nur: Implications for astrobiology

Yiliang Li
The University of Hong Kong, China
Topic: The Search for Life on Mars

Wei Lin
Institute of Geology and Geophysics, Chinese Academy of Sciences
Topic: Astrobiological Research in Mars Analog Environments

Yongqin Liu
Lanzhou University, China
Topic: Cryospheric Extremophiles

Zhu Liu
Tsinghua University
Topic: Space Adaptation of Methanogens and Its Implications for Life Detection of Tianwen-3 Mars Sample

Anhuai Lu
Peking University, China
Topic: Mineral membrane on Earth's surface and mineral photoelectric effects

Timothy Lyons
University of California, Riverside, USA
Topic: Biosignatures in the Solar System

Sabine Müller
University of Greifswald, Germany
Topic: Evolution of Core Metabolism and the RNA World

Yan Qiao
Institute of Chemistry, Chinese Academy of Sciences
Topic: Artificial Cells for the Origin of Life

Joachim Reitner
University of Göttingen, Germany
Topic: Early Life and Geobiology of Microbial Systems

Martin Van Kranendonk
Curtin University, Australia
Topic: Precambrian Geology and Early Life

Xingliang Zhang
Northwest University, China
Topic: Strategies of life in extreme environments--an astrobiological perspective

Yufen Zhao
Ningbo University
Topic: Phosphorus chemistry and the origin of life: from N-phosphoryl amino acid to protocell

Yuyan Zhao
Chengdu University of Technology
Topic: Martian paleoenvironment and biosignature detection

Invited Speakers (continuously updated; in alphabetical order by surname)

Albert Fahrenbach
The University of New South Wales, Australia
Topic: Metabolic Evolution and the RNA World Hypothesis

David Flannery
Queensland University of Technology, Australia
Topic: Biosignatures on the early Earth

Meng Guo
The University of Hong Kong, China
Topic: Planetary Habitability

Jihua Hao
University of Science and Technology of China
Topic: Organic Synthesis and Transportation in Planetary Oceans

Simon Hohl
Tongji University, China
Topic: Earth, Mars and Ocean Worlds

Jian Li
Nanjing University, China
Topic: High-Resolution Femtosecond Nano-Infrared Spectroscopy for Prebiotic Chemistry

Dominic Papineau
Institute of Deep-Sea Science and Engineering, Chinese Academy of Sciences
Topic: Abiotic chemically oscillating reactions form botryoidal minerals in hydrothermal systems and dead biomass since the Hadean

Yuangao Qu
Institute of Deep-sea Science and Engineering, Chinese Academy of Sciences
Topic: Analogue and Simulation Studies of Potentially Habitable Environments on Icy Moons

Wei Wang
National Astronomical Observatories, Chinese Academy of Sciences
Topic: China's Exoplanet Exploration Missions

Xiao Wang
Nanjing University, China
Topic: Prebiotic Small Molecules and Nonlinear Chemistry

Yinzhao Wang
Shanghai Jiao Tong University
Topic: AI-driven Evolutionary Adaptation of Archaea to Extreme Environments

Jun Yang
Peking University
Topic: Planetary Atmospheres, Clouds, and Habitability

Yu Zhang
Shanghai Jiao Tong University
Topic: Intelligent Connected Detection Technology for Extreme Deep-Sea Habitats

Presentation Formats

The language of the presentations at this conference will be English. The conference will feature oral presentations and poster presentations. Posters should be prepared in A0 portrait format, with dimensions of 84.1 cm (width) × 118.9 cm (height) (approximately 84 cm × 119 cm). Please submit your oral or poster abstract online by **15 August 2026**.

Schedule

Date	Time	Program
27 August	Whole Day	Registration
28 August	Morning	Opening Ceremony Scientific Sessions
	Noon	Lunch
	Afternoon	Scientific Sessions Astrobiology Bulletin Launch Ceremony
	Evening	Council Meeting of the Astrobiology Branch
29 August	Morning	Scientific Sessions
	Noon	Lunch
	Afternoon	Scientific Sessions
30 August	Morning	Scientific Sessions
	Noon	Lunch
	Afternoon	Scientific Sessions Selection of Excellent Student Oral and Poster Presentations
31 August	Whole Day	Departure

Note: Venue for conference check-in: **Zijin Conference Center**. Lunch and dinner

will be provided during the conference. Participants are responsible for their own accommodation, transportation, and other personal expenses.

Conference Registration

Please register and pay the fee on the conference website (**www.aam2026.org**).

Conference website QR code

Category	Advance Registration Fee	On-site Registration Fee
Regular Participants	RMB 2,800 / pax	RMB 3,200 / pax
Students	RMB 2,000 / pax	RMB 2,500 / pax

Advance Registration deadline: **14 August 2026**

Note: Registration fees will be collected on behalf of the conference by Hefei Koushare Digital Technology Co., Ltd. Official invoices for the registration fee will be issued by the Nanjing Institute of Geology and Palaeontology, Chinese Academy of Sciences (NIGPAS). Hefei Koushare Digital Technology Co., Ltd. is responsible solely for collecting the registration fees and is not involved in issuing invoices.

The conference will feature an Outstanding Student Presentation Award, covering both oral and poster presentations. Students are warmly welcome to submit their work and participate in the conference.

Cancellation and Refund Policy

Participants who have paid the registration fee but are unable to attend the conference may contact the conference secretariat to request a refund according to the following policy:

Refund requests submitted on or before 19 August 2026 will receive a 100% refund of the registration fee.

Refund requests submitted between 20 and 26 August 2026 (inclusive) will receive an

80% refund of the registration fee.

No refunds will be issued for requests submitted after 26 August 2026.

II. Venue

Conference Venue

Zijin Conference Center, The Purple Palace Nanjing, No. 18 Huanling Road, Xuanwu District, Nanjing, Jiangsu Province, China

Room Type	Rate (per night)
Zijin Building Standard Room / King Room	RMB 380 (including one breakfast)
Jinling Building Standard Room / King Room	RMB 380 (including one breakfast)
Zhongshan Building Standard Room / King Room	RMB 490 (including one breakfast)

Note: As summer is the peak tourist season, all participants must submit accommodation requests upon registration. The conference secretariat will arrange hotel room reservations accordingly.

Hotel Reservations Contacts:

Hotel Reception: +86-25-84858888; Ms. Wang: +86-15850770592

Getting to the Venue

From Nanjing Lukou International Airport:

Airport → Metro Line S1 → Nanjing South Railway Station → Metro Line 3 (towards Linchang) → Nanjing Forestry University · Xinzhuang Station → Transfer to Bus 309 or 141 → Shangwuqi Station → 3-minute walk to Zijin Villa.

From Nanjing South Railway Station:

Metro Line 3 (towards Linchang) → Nanjing Forestry University · Xinzhuang Station → Transfer to Bus 309 or 141 → Shangwuqi Station → 3-minute walk to Zijin Villa.

From Nanjing Railway Station:

North Square East Bus Stop → Bus 309 or 141 → Shangwuqi Station → 3-minute walk to Zijin Villa.

III. Academic and Organizing Committee

Academic Committee

Members (listed in alphabetical order by surname):

Nicolas Dauphas, Hailiang Dong, Zengqian Hou, Hongchen Jiang, Yiliang Li, Dehai Liang, Yongqin Liu, Anhuai Lu, Timothy Lyons, Sabine Müller, Yongxin Pan, Joachim Reitner, Weidong Sun, Martin Van Kranendonk, Long Xiao, Shucheng Xie, Yigang Xu, Xingliang Zhang, Guochun Zhao, Maoyan Zhu

Organizing Committee

Chair: Maoyan Zhu

Co-Chairs: Zongjun Yin, Albert Fahrenbach

Secretary-General: Jingbo Nan

Executive Committee: Ruiqin Yi, Anna Wang, Indrani Mukherjee

Committee Members (listed in alphabetical order by surname):

Guo Chen, Siteng Fan, Ye Fan, Huishan Fu, Jihua Hao, Hejiu Hui, Kangjun Huang, Ting Huang, Yun Jiang, Yun Ju, Jiaqi Li, Xiaoshuang Li, Zibo Li, Mang Lin, Wei Lin, Changqing Liu, Jiacheng Liu, Yang Liu, Genming Luo, Mao Luo, Haoyu Lv, Lanyun Miao, Yuangao Qu, Bing Shen, Yizhi Sheng, Xian Shi, Hong Tang, Wei Wang, Guangfei Wei, Geng Wu, Zhiyong Xiao, Jianxi Ying, Xin Zhang, Xiaojing Zhang, Yu Zhang, Zhenfeng Zhang, Jiannan Zhao, Yuyan Zhao

IV. Organization

Organizers

Nanjing Institute of Geology and Palaeontology, Chinese Academy of Sciences

Astrobiology Branch of the Palaeontological Society of China

Australian Centre for Astrobiology

Host organizer

State Key Laboratory of Palaeobiology and Stratigraphy, Nanjing Institute of Geology and Palaeontology, Chinese Academy of Sciences

Co-organizers

State Key Laboratory of Deep Earth Processes and Strategic Mineral Resources, Guangzhou Institute of Geochemistry, Chinese Academy of Sciences

Center for Extraterrestrial Sample Studies, Peking University

State Key Laboratory of Geomicrobiology and Environmental Changes, China University of Geosciences

Key Laboratory of Planetary Science and Frontier Technology, Institute of Geology and Geophysics, Chinese Academy of Sciences

Supporting journals:

Astrobiology Bulletin; Planet; Earth and Planetary Physics.

V. Exhibition and Sponsorship

To facilitate academic exchange and promote interaction among conference participants, exhibition and sponsorship opportunities are available for universities, research institutes, companies, laboratories, publishers, journals, and other organizations.

Organizations interested in exhibiting or sponsoring the conference are invited to contact:

Wen Zhao: +86-15651800215; Qi Yao: +86-15656926027

The conference secretariat will follow up with further information regarding exhibition arrangements and sponsorship opportunities.

VI. Conference Secretariat

Wen Zhao, wenzhao@nigpas.ac.cn, Tel: +86-15651800215

Lanyun Miao, hlmiao@nigpas.ac.cn

Jingbo Nan, jnan@nigpas.ac.cn