

第二十一届国际固氮大会第二轮通知

(<http://2019icnf.csp.escience.cn>)

生物固氮在自然界的氮素循环和农业生产中具有举足轻重的地位，生物固氮相关研究和应用是解决粮食安全和应对能源危机的重要举措，也是实现环境友好及农业可持续发展的关键。两年一届的国际固氮大会是本领域规模最大、规格最高、权威性最强的国际学术盛会。本届大会定于2019年10月10日-15日在武汉华中农业大学召开，会议主题为“生物固氮与环境友好及绿色农业”。目前已经确定了绝大部分特邀报告人、大会报告人和分会报告人，有国际著名专家和优秀青年学者70余位，包括Éva Kondorosi (Biological Research Center of the Hungarian Academy of Sciences, 美国科学院外籍院士)、Sharon Long (Stanford University, 美国科学院院士)、赵进东 (北京大学, 中国科学院院士)、Gary Stacy (University of Missouri, 美国)、王忆平 (北京大学)、Jens Stougaard (University of Aarhus, 丹麦)、Ray Dixon (John Innes Research Centre, 英国)、Ton Bisseling (Wageningen University, 荷兰)、Barbara Reinhold-Hurek (University Bremen, 德国), 和 Luis Rubio (Universidad Politecnica de Madrid, 西班牙)等。他们代表了目前国际固氮传统和前沿领域的顶尖水平。

除邀请专家外，我们还将从大会摘要提交者中遴选40位做口头报告，申请时间截止到2019年7月10日。请抓紧时间，提交您的优秀工作到大会展示。

目前，会议注册与摘要提交火热进行中！最新优惠注册阶段截至2019年7月1日！注册费包含会议资料及会议期间的所有自助午餐、自助晚餐和茶歇，欲了解详细信息，请访问会议官方网站：<http://2019icnf.csp.escience.cn>

★ 会议主题、主持人与报告人

Opening session (keynote speeches):

Gary Stacey (University of Missouri, USA)

Yiping Wang (Peking University, China)

Closing session (summary speeches):

Éva Kondorosi (Institute of Biochemistry, Biological Research Center of the Hungarian Academy of Sciences, Hungary)

Plenary sessions:

【01】 Chemistry and regulation of nitrogenase;

(Chairs: John W. Peters; Sanfeng Chen)

Speakers:

Oliver Einsle (Albert-Ludwigs-Universität Freiburg, Germany)

Yilin Hu (University of California, Irvine, USA)

Emanuel M. Souza (Federal University of Paraná (UFPR), Brazil)

Caroline S. Harwood (University of Washington, USA)

【02】 Free-Living, endophytic and associative nitrogen fixation;

(Chairs: Barbara Reinhold-Hurek; Jindong Zhao)

Speakers:

Barbara Reinhold-Hurek (University Bremen, Germany)

Jindong Zhao (Peking University, China)

J. Ivo Baldani (Embrapa Agrobiologia, Seropé dica, Rio de Janeiro, Brazil)

Gladys Alexandre (The University of Tennessee, Knoxville, USA)

【03】 Legume nodule development;

(Chairs: Éva Kondorosi; Jeanne M. Harris)

Speakers:

Eva Kondorosi (Institute of Biochemistry, Biological Research Center of the Hungarian Academy of Sciences, Hungary)

Jeanne Harris (University of Vermont, USA)

Takashi Soyano (National Institute for Basic Biology, Japan)

Yangrong Cao (Huazhong Agricultural University, China)

【04】 Synthetic biology;

(Chairs: Sharon R. Long; Yiping Wang)

Speakers:

Sharon Long (Stanford University, USA)

Luis Rubio (Universidad Politécnica de Madrid, Spain)

Devaki Bhaya (Department of Plant Biology, Carnegie Institution for Science, Stanford, USA)

【05】 Diversity, evolution, and genomics of nitrogen fixation in plants;

(Chairs: Ton Bisseling; Katharina Pawlowski)

Speakers:

Fang Xie (Institute of Plant Physiology and Ecology, Chinese Academy of Sciences, China)

Douglas R. Cook (Department of Plant Pathology, University of California, USA)

Eric Giraud (Institute of Research for Development, Université de Montpellier, France)

Ton Bisseling (Wageningen University, The Netherlands) and Katharina Pawlowski (Stockholm University, Sweden)

【06】 Diversity, evolution, and genomics of nitrogen fixation in bacteria;

(Chairs: Ray Dixon; Min Lin)

Speakers:

Ray Dixon (John Innes Research Centre, UK)

Yongliang Yan (Chinese Academy of Agricultural Sciences, China)

Changfu Tian (China Agricultural University, China)

Jillian M. Petersen (University of Vienna, Austria)

【07】 Legume symbiotic signal transduction;

(Chairs: Jens Stougaard; Ertao Wang)

Speakers:

Kasper Røjkjær Andersen (Aarhus University, Denmark)

Dong Wang (University of Massachusetts, USA)

Ulrike Mathesius (Australian National University, Australia)

Ertao Wang (Institute of Plant Physiology and Ecology, Chinese Academy of Sciences, China)

【08】 Interaction of symbiosis with environments;

(Chairs: Kiwamu Minamisawa; Xuelu Wang)

Speakers:

Kiwamu Minamisawa (Tohoku University, Japan)
Akihiro Suzuki (Saga University, Japan)
Xuelu Wang (Huazhong Agricultural University, China)

Parallel sessions:

【01】 Global changes and nitrogen fixation systems;

(Chairs: María J. Delgado; Youguo Li)

Speakers:

María J Delgado (Estación Experimental del Zaidín, CSIC, Granada, Spain)
Alexandre Boscari (INRA/CNRS, Sophia Antipolis Cedex, France)
Toshiki Uchiumi (Kagoshima University, Kagoshima, Japan)

【02】 Autoregulation of legume nodulation;

(Chairs: Peter M. Gresshoff; Fang Xie)

Speakers:

Brett J. Ferguson (The University of Queensland, Australia)
Florian Frugier (Institute of Plant Sciences Paris-Saclay (IPS2), CNRS, Univ Paris Sud, Univ Paris Diderot, INRA, Univ d'Evry, Université Paris-Saclay, France)
Takuya Suzaki (University of Tsukuba, Japan)

【03】 Free living nitrogen fixing organisms;

(Chairs: Changfu Tian)

Speakers:

J. Peter W. Young (University of York, UK)
Qi Cheng (Chinese Academy of Agricultural Sciences, China)
Sanfeng Chen (China Agricultural University, China)

【04】 Evolution of root nodule symbiosis;

(Chairs: Rene Geurts; Zhongming Zhang)

Speakers:

Rene Geurts (University of Wageningen, The Netherlands)
Jean-francois Arrighi (Laboratoire des Symbioses Tropicales et Méditerranéennes, Montpellier, France)
Zhaosheng Kong (Institute of Microbiology, Chinese Academy of Sciences, China)

【05】 The legume-rhizobium interaction;

(Chairs: Simona Radutoiu; Yangrong Cao)

Speakers:

Philip Poole (University of Oxford, UK.)
Christian Staehelin (Sun Yat-sen (Zhongshan) University, China)
Simona Radutoiu (Aarhus University, Aarhus, Denmark)

【06】 Cyanobacteria and aquatic nitrogen fixation;

(Chairs: Chengcai Zhang)

Speakers:

Chengcai Zhang (Institute of Hydrobiology, CAS, China)
Zengtao Zhong (Nanjing Agricultural University, China)

【07】 Interaction of symbiosis with hormones;

(Chairs: Krzysztof Szczyglowski; Shiyong Sun)

Speakers:

Dugald Reid (Arhus University, Denmark)
Krzysztof Szczyglowski (Agriculture and Agri-Food Canada, Southern Crop Protection and Food Research Centre, London, Canada)
Youning Wang (Huazhong Agricultural University, China)
Andreas Niebel (Université de Toulouse, France)

【08】 Application of nitrogen fixation;

(Chairs: Luis M. Rubio; Fábio O. Pedrosa)

Speakers:

Luciane Maria Pereira Passaglia (Universidade Federal do Rio Grande do Sul, Brazil)
Euan K. James (The James Hutton Institute, UK)
Kristina Lindstrom (University of Helsinki, Finland)

【09】 Root microbiomes and nitrogen fixation;

(Chairs: Esperanza Martínez-Romero)

Speakers:

Esperanza Martinez-Romero (Universidad Nacional Autónoma de México, Mexico)
Mariangela Hungria (Embrapa Soja, Londrina, Paraná, Brazil)
Juan Sanjuan (Estación Experimental del Zaidín, CSIC, Granada, Spain)

【10】 Novel technology in nitrogen fixation;

(Chairs: Deqiang Duanmu; Zhipeng Zhou)

Speakers:

Manuel Becana (Departamento de Nutrición Vegetal, Estación Experimental de Aula Dei, Consejo Superior de Investigaciones Científicas, Spain)
Marc Libault (University of Nebraska-Lincoln, United States)
Zubin Xie (State Key Laboratory of Soil and Sustainable Agriculture, Institute of Soil Science, Chinese Academy of Sciences, China)

— 承办单位 —

华中农业大学生命科学技术学院

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王忆平, 谢芳, 谢祖斌, 徐曙彤, 张忠明, 周志鹏, 周朝晖,
Jeremy Murray, Gary Stacey, Christian Staehelin

— 组委会秘书 —

孙世勇, 端木德强, 夏春皎

※ 报告分为大会报告（20分钟报告+5分钟提问）、专题报告（15分钟报告+5分钟提问）和摘要遴选者口头报告（8分钟）。

※ 摘要征集：请按照会议网页上提供的模板撰写摘要，在会议网站上按照专题投递。提交摘要时可以在网站上选择是否有意向做会议口头报告。

※ 学术海报：请参会代表在会议网站上选择是否参加学术海报展示。优秀海报由评奖委员会推荐产生，并颁发证书与奖金。

※ 会议联系人：

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第 21 届国际固氮大会组委会
2019 年 5 月 8 日