

# 先進科学プログラム オムニバスセミナー開催

※どなたでも聴講できます

日時：平成31年4月12日（金）

16:10～17:40

講師：Norbert Koch氏（フンボルト大学教授）

場所：先進科学センター会議室  
（理学部2号館2階209号室）

## 講演タイトル

**Natural sciences contribute to resolving global challenges: What can the individual scientist do?**

## 要旨

Sustainable development of our global society needs answers to decisive questions that move people today and in the future. To that end, governments around the globe have defined the key topics that need attention: a secure and reliable food and energy supply, sustainable use of resources, as well as future means of mobility, health, and information technologies. Since the grand challenges associated with finding solutions for tomorrow cannot be adequately addressed by one country only, international cooperation is a matter of course. The natural sciences, foremost physics and chemistry, contribute by providing fundamental knowledge for the development of technologies that are needed to support the above topical fields. But the individual scientist can provide more than just excellent research and disciplinary education, she/he can build bridges on a political scale, e.g., between countries whose governments are not (yet) ready to interact amiably. Pertinent examples are discussed. Beyond this, large scale scientific infrastructures such as synchrotron radiation sources act as internationally integrating structures. Finally, possible ways to identify one's own research field of relevance for global challenges will be discussed.