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VABILO NA PREGLOV KOLOKVIJ /  
INVITATION TO THE PREGLO COLLOQUIUM

**Prof. Dr. Robert J. C. Gilbert**

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**Torek / Tuesday 13. 9. 2016, ob / at 11:00**

**Velika predavalnica Kemijskega inštituta / Lecture Hall, National Institute of  
Chemistry; Hajdrihova 19, Ljubljana**

## **Problem solving: structure determination by electron microscopy**

Transmission electron microscopy is a field whose rapid recent advance as a core method for the determination of atomic structures has depended on improved technology and understanding of the physical basis on which it operates. In particular, the use of direct-electron detectors, better handling of sample variability and improved resolution criteria have played key roles. I will use historical and recent examples of specific challenges we and colleagues have faced to show how electron microscopy continues to contribute to multi-technical approaches while having the capacity to take the lead in some areas of structure determination for biomedical science.

**Vljudno vabljeni / Kindly invited**

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