

*Vienna, Austria*

Annual Congress of the  
European Association of Nuclear Medicine

October 21 –25, 2017  
Vienna, Austria

## **Pre-Congress Symposium 9 (Translational Molecular Imaging & Therapy / Radiopharmacy / Drug Development)**

**Saturday, October 21, 13:00-16:00**

### **Session Title**

**Bioorthogonal and Click Chemistry for Molecular Imaging**

### **Chairs**

Bart Cornelissen (Oxford)

Marc Robillard (Nijmegen)

### **Programme**

13:00 - 13:35 Vincent Bouvet (St John's): The Basics of Click Chemistry

13:35 - 14:05 Valentin Wittmann (Konstanz): Click Chemistry for Imaging of Glycoconjugates

14:05 - 14:15 Discussion

### **14:15 - 14:45 Coffee Break**

14:45 - 15:15 Marc Robillard (Nijmegen): Imaging and Therapy Agents Using Click Chemistry

15:15 - 15:45 James Knight (Oxford): Pre-Targeted Imaging Using Click Chemistry

15:45 - 16:00 Discussion

### **Educational Objectives**

1. Gain an understanding in the general chemistry of bioorthogonal 'click' chemistry
2. Practical guidance on the design of imaging agents, small molecule and protein-based
3. Get insight on the use of click chemistry for pretargeted imaging

### **Summary**

This pre-symposium seminar on Bioorthogonal and Click Chemistry for Molecular Imaging will feature four senior researchers well versed in the field of bioorthogonal chemistry, and will provide an overview of the basic chemistry governing this most selective and biologically competitive set of reactions, as well as some applications. These include the synthesis of small molecule and protein-based imaging and therapy agents, and the use of click chemistry for pretargeted imaging.