



# GTR & RCMS Seminar



## When Laboratory Designs Mimic and Even Beats Nature!

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Chlorophylls are called the “pigments of life” and since their synthesis, countless attempts were made to design laboratory models of the reaction centers in photosystems that mimic perfectly their behaviours and performance! Stubbornly, these aims remained unreached, and only several designs approached these targeted wishes, but yet remained shy with respect to Nature. This presentation focusses on the design of porphyrin-based models capable of (faster) ultrafast energy transfers between the reaction center and its antenna, and unique models capable of energy transfer equilibrium (not to be confused with bidirectional), a safety process often used by Nature to slow down the rate of the primary photo-induced electron transfer.



**Wed., Apr. 10, 2019, 16:00-17:00**

**Noyori Materials Science Laboratory 2F,  
Chemistry Gallery (Seminar Room)**

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