

Biphotonic chromophores in the service of biology or defense

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Biphoton light absorption is used in different fields of applications from biology and therapy to defense. The design of chromophores for these applications is strongly related to their excited state properties.

During this seminar, our molecular engineering will be presented in the view of biological imaging (1), and optical power limiting (2). Besides the molecular design for each applications, taking into account all the photophysical requirements in addition to the optimisation of biphotonic properties, the compatibility of molecules with their environment will be also addressed in each case.

References

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