Abstract Submitted
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Two-photon photolysis of collagen mimicking peptide AURELIO PAEZ, KEVIN HATCH, ALFREDO ORNELAS, KATJA MICHAEL, CHUN-QIANG LI, None, ULTRA FAST PHOTONICS GROUP TEAM, THE MICHAEL GROUP TEAM[1] — Two-photon microscopy is a powerful tool for imaging and probing biological and molecular samples. This study proposes to use the fluorescence imaging method of two-photon microscopy on a photoreactive collagen mimicking peptide, using the two-photon absorption to explore the benefits of photolysis of the peptide. Probing the use of these techniques to potentially engineer scaffolding within which vascular vessels could be grown in order to solve the vascularization problems existing in current tissue engineering.

[1]Organic and Biorganic Chemistry - Peptides and Carbohydrates

Aurelio Paez
None

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