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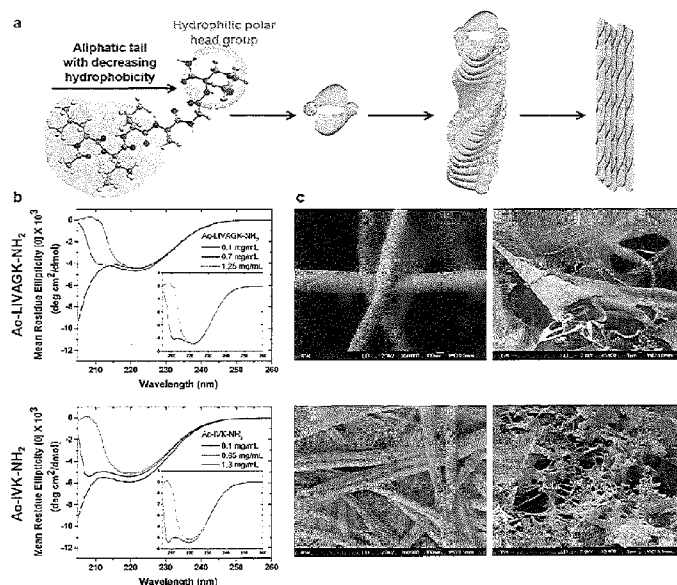
Declarations under Rule 4.17:

— as to applicant's entitlement to apply for and be granted a
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[Continued on next page]

(54) Title: SELF-ASSEMBLING PEPTIDES, PEPTIDOMIMETICS AND PEPTIDIC CONJUGATES AS BUILDING BLOCKS
FOR BIOFABRICATION AND PRINTING

Figure 1



(57) Abstract: The present invention relates to the use of peptides, peptoids and/or peptidomimetics capable of self-assembling and forming a (nanofibrous) hydrogel in biofabrication. The present invention further relates to methods for preparing hydrogels and to methods for preparing continuous fibres and to methods for obtaining multi-cellular constructs with defined, precise geometrics. The present invention further relates to various uses of such hydrogels for obtaining mini-hydrogel arrays and 3D organoid structures or 3D macromolecular biological constructs.



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