



CHEM



separations in regenerative medicine.

Dr Hugo Macedo was born in Portugal, studying Chemical Engineering at the New University of Lisbon. He moved to the UK initially under the Erasmus programme in 2005, an EU student exchange scheme that enables students from countries within the EU to undertake placements in other EU countries. He was then invited to stay on for a PhD position at Imperial College London, to develop a method to produce human blood in the lab (which he did!). He started his company, Smart Separations Ltd, five years ago, initially working out of his kitchen.

The company has patented an innovative technology that allows them to produce ceramic filters with self-assembled, controllable pores of a variety of sizes. **“Micro filtration is a poorly explored field,” explains Hugo.** “I know this because my own background is in cell

allowed Hugo's team to employ a consultant to draw up a business plan. "It was vital," says Hugo.

