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Ligand-directed therapy and molecular imaging based on *in vivo* phage display technology

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We have developed *in vivo* phage display, a functional peptide screening established in animal models and later in patients. Isolation of homing peptides enables subsequent identification of tissue-specific receptors. Systematic implementation of this strategy will lead to the construction of a comprehensive map of vascular markers in each organ, tissue, or disease, and may result in a new pharmacology.