This century has been full of new discoveries and different approaches in technology. Most of them involving a combination of different technology and sciences fields. Nanotechnology and biomimicry have innovation and ideas constantly. If those two fields come together, the improvements caused by both are welcomed and expected. For example, it could start with structural materials, construction, and architecture, they could create and improve materials to make them stronger, flexible for construction. Doing so, they can mix multi-functional biological materials and nanotechnology which will lead to more efficient an advanced technologies for structures, materials and tools.

In addition, this combination could cause a huge leap forward in self-healing materials. Although some systems and materials are being developed to have this ability, they can get better. Self-healing materials, polymers and composite materials, can mend cracks and damages already, but with nanotechnology added to it, we can make them work more efficiently and successfully. By implementing, and developing different approaches to testing phases, they can get results in less time and better quality. Hydrogels and micro-vascular networks being made are the most talked about and advanced. With the added help from self-healing materials in nanotechnology, the outcome might be better than anything witnessed in the combination of these two fields, and a step forward in human advancement.