

## Uiyoung Han

Postdoctoral Scholar, Ophthalmology

### Bio

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#### STANFORD ADVISORS

- David Myung, Postdoctoral Faculty Sponsor

### Publications

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#### PUBLICATIONS

- **Secured delivery of basic fibroblast growth factor using human serum albumin-based protein nanoparticles for enhanced wound healing and regeneration.** *Journal of nanobiotechnology*  
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- **Potential threats of nanoplastic accumulation in human induced pluripotent stem cells** *CHEMICAL ENGINEERING JOURNAL*  
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- **Nano-structure of vitronectin/heparin on cell membrane for stimulating single cell in iPSC-derived embryoid body** *ISCIENCE*  
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2021; 24 (4): 102297
- **2D graphene oxide particles induce unwanted loss in pluripotency and trigger early differentiation in human pluripotent stem cells** *JOURNAL OF HAZARDOUS MATERIALS*  
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- **Enhanced salt removal performance of flow electrode capacitive deionization with high cell operational potential** *SEPARATION AND PURIFICATION TECHNOLOGY*  
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- **Transmission and regulation of biochemical stimulus via a nanoshell directly adsorbed on the cell membrane to enhance chondrogenic differentiation of mesenchymal stem cell** *BIOTECHNOLOGY AND BIOENGINEERING*  
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2020; 117 (1): 184-193
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- **Artificial cellular nano-environment composed of collagen-based nanofilm promotes osteogenic differentiation of mesenchymal stem cells** *ACTA BIOMATERIALIA*  
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2019; 86: 247-256
- **Structure of a Multilayer Nanofilm To Increase the Encapsulation Efficiency of Basic Fibroblast Growth Factor** *MOLECULAR PHARMACEUTICS*  
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2018; 15 (3): 1277-1283
- **Preparation of multifunctional micelles from two different amphiphilic block copolymers** *COLLOIDS AND SURFACES A-PHYSICO-CHEMICAL AND ENGINEERING ASPECTS*  
Tanum, J., Han, U., Shin, J., Hong, J.  
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- **Layer-by-layer assembled polymeric thin films as prospective drug delivery carriers: design and applications.** *Biomaterials research*  
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