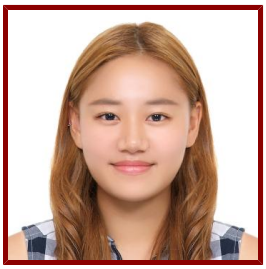
Stanford



Youngyoon Amy Seo

MD Student with Scholarly Concentration in Community Health, expected graduation Spring 2030

Publications

PUBLICATIONS

- **Nanoparticle-mediated inhibition of Yes-associated protein prevents corneal scarring after traumatic injury.** *Materials today. Bio*
  Kang, N. W., Jang, K., Kim, H., Jiang, L., Seo, Y. A., Song, E., Garcia-Sanchez, J., Lin, D., Chen, F., Han, U., Liu, W. W., Myung, D.
  2026; 39: 103331
- **Antifibrotic Nanoparticle for Corneal Regeneration Following Traumatic Injuries**
  Jang, K., Kang, N., Kim, H., Jiang, L., Seo, Y., Song, E., Chen, F., Han, U., Liu, W., Myung, D.
  ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2025
- **In situ UNIversal Orthogonal Network (UNION) bioink deposition for direct delivery of corneal stromal stem cells to corneal wounds.** *Bioactive materials*
  Brunel, L. G., Cai, B., Hull, S. M., Han, U., Wungcharoen, T., Fernandes-Cunha, G. M., Seo, Y. A., Johansson, P. K., Heilshorn, S. C., Myung, D.
  2025; 48: 414-430
- **Repurposing verteporfin and hyaluronic acid gel for ocular surface treatment to prevent corneal scarring**
  Liu, W., Chen, F., Kang, N., Wungcharoen, T., Jiang, L., Basco, C., Garcia, J., Lin, D., Seo, Y., Jang, K., Myung, D.
  ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2025
- **Verteporfin Restores Corneal Transparency after Injury**
  Liu, W. W., Chen, F., Wungcharoen, T., Kang, N., Garcia, J., Basco, C., Seo, Y., Myung, D.
  ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2024
- **Impact of crosslinking chemistry on corneal tissue regeneration after in situforming collagen-hyaluronate matrix therapy**
  Wungcharoen, T., Chen, F., Seo, Y., Myung, D.
  ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2023
- **Collagen Gels Crosslinked by Photoactivation of Riboflavin for the Repair and Regeneration of Corneal Defects.** *ACS applied bio materials*
  Fernandes-Cunha, G. M., Brunel, L. G., Arboleda, A., Manche, A., Seo, Y. A., Logan, C., Chen, F., Heilshorn, S. C., Myung, D.
  2023
- **In Situ-Forming Collagen-Hyaluronate Semi-Interpenetrating Network Hydrogel Enhances Corneal Defect Repair.** *Translational vision science & technology*
  Chen, F., Mundy, D. C., Le, P., Seo, Y. A., Logan, C. M., Fernandes-Cunha, G. M., Basco, C. A., Myung, D.
  2022; 11 (10): 22
- **Hyaluronic acid hydrogels crosslinked via blue light-induced thiol-ene reaction for the treatment of rat corneal alkali burn.** *Regenerative therapy*
  Park, S. K., Ha, M., Kim, E. J., Seo, Y. A., Lee, H. J., Myung, D., Kim, H., Na, K.
  2022; 20: 51-60
- **Epidermal growth factor-loaded collagen gels to enhance corneal wound healing: Effect of matrix crosslinking chemistry**
  Seo, Y., Rogers, G., Myung, D.

ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2022

- **Biocompatibility of photoactivated collagen-riboflavin hydrogels for corneal regeneration**
  Arboleda, A., Cunha, G., Manche, A., Seo, Y., Logan, C., Heilshorn, S. C., Myung, D.
  ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2022
- **Collagen gels crosslinked by photoactivation of riboflavin for corneal defect repair**
  Seo, Y., Fernandes-Cunha, G., Chen, F., Le, P., Logan, C., Mundy, D., Myung, D.
  ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2021
- **Effect of mesenchymal stromal cells encapsulated within polyethylene glycol-collagen hydrogels formed in situ on alkali-burned corneas in an ex vivo organ culture model.** *Cytotherapy*
  Na, K., Fernandes-Cunha, G. M., Varela, I. B., Lee, H. J., Seo, Y. A., Myung, D.
  2021
- **Encapsulation of Corneal Stromal Stem Cells within Supramolecular Host-Guest Hyaluronic Acid Gels**
  Seo, Y., Chen, K., Fernandes-Cunha, G., Jung, S., Lee, G., Hahn, S., Djalilian, A. R., Jabbehdari, S., Myung, D.
  ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2020