



Sariah Khormae

Clinical Instructor, Orthopaedic Surgery

CLINICAL OFFICES

- **Stanford Spine Clinic**

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Bio

CLINICAL FOCUS

- Orthopaedic Surgery
- Spine

ACADEMIC APPOINTMENTS

- Clinical Instructor, Orthopaedic Surgery

HONORS AND AWARDS

- Russell Wilson Award for Most Outstanding Basic Science Research, Hospital for Special Surgery (2019)
- Thomas Sculco Award for Professional Collaboration, Hospital for Special Surgery (Selected by Operating Room and Nursing Staff) (2019)
- Distinguished Housestaff Award (Most Outstanding Resident of Graduating Class), Hospital for Special Surgery (Selected by Faculty) (2018)
- Danckwerts-Pergamon Prize (Best PhD Thesis of Department), Chemical Engineering & Biotechnology Department at Cambridge University (2009)
- Marshall Scholar, Marshall Aid Commemoration Commission (United Kingdom) (2006)
- President's Medalist (Valedictorian), University of Washington, University of Washington (2006)

PROFESSIONAL EDUCATION

- Residency: Hospital for Special Surgery Orthopaedic Surgery Residency (2019) NY
- Medical Education: Harvard Medical School (2014) MA
- PhD, University of Cambridge, Chemical Engineering and Biotechnology (2009)
- BS, University of Washington, Neurobiology, Biochemistry (2006)

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

My research interests are in the evaluation of biomaterials for modelling of spine related physiology and clinical use. I also have an interest in global health, specifically worldwide accessibility of spine care in low resource regions.

Publications

PUBLICATIONS

- **Patient Factors Affecting Emergency Department Utilization and Hospital Readmission Rates After Primary Anterior Cervical Discectomy and Fusion: A Review of 41,813 cases.** *Spine*
Sheha, E. D., Salzman, S. N., Khormae, S., Yang, J., Girardi, F. P., Cammisa, F. P., Sama, A. A., Lyman, S., Hughes, A. P.
2019; 44 (15): 1078–86
- **Discharge to inpatient facilities after lumbar fusion surgery is associated with increased postoperative venous thromboembolism and readmissions.** *The spine journal : official journal of the North American Spine Society*
Khormae, S., Samuel, A. M., Schairer, W. W., Derman, P. B., McLawhorn, A. S., Fu, M. C., Albert, T. J.
2019; 19 (3): 430–36
- **Consortium of Orthopaedic Academic Traumatologists: A Model for Collaboration in Orthopaedic Surgery.** *Journal of orthopaedic trauma*
Miclau, T., MacKechnie, M. C., Shearer, D. W.
2018; 32 Suppl 7: S3–S7
- **Field evaluation of a prototype paper-based point-of-care fingerstick transaminase test.** *PloS one*
Pollock, N. R., McGray, S., Colby, D. J., Noubary, F., Nguyen, H., Nguyen, T. A., Khormae, S., Jain, S., Hawkins, K., Kumar, S., Rolland, J. P., Beattie, P. D., Chau, et al
2013; 8 (9): e75616
- **Endosomal anionic polymer for the cytoplasmic delivery of siRNAs in localized in vivo applications.** *Advanced functional materials*
Khormae, S., Choi, Y., Shen, M. J., Xu, B., Wu, H., Griffiths, G. L., Chen, R., Slater, N. K., Park, J. K.
2013; 23 (5)
- **Optimizing siRNA efficacy through alteration in the target cell-adhesion substrate interaction.** *Journal of biomedical materials research. Part A*
Khormae, S., Ali, O. A., Chodosh, J., Mooney, D. J.
2012; 100 (10): 2637–43
- **The influence of aromatic side-chains on the aqueous properties of pH-sensitive poly(L-lysine iso-phthalamide) derivatives.** *Journal of biomaterials science. Polymer edition*
Khormae, S., Chen, R., Park, J. K., Slater, N. K.
2010; 21 (12): 1573–88
- **Effect of L-leucine graft content on aqueous solution behavior and membrane-lytic activity of a pH-responsive pseudopeptide.** *Biomacromolecules*
Chen, R., Khormae, S., Eccleston, M. E., Slater, N. K.
2009; 10 (9): 2601–8
- **The role of hydrophobic amino acid grafts in the enhancement of membrane-disruptive activity of pH-responsive pseudo-peptides.** *Biomaterials*
Chen, R., Khormae, S., Eccleston, M. E., Slater, N. K.
2009; 30 (10): 1954–61