



Emily Sarah Gorell

Postdoctoral Research Fellow, Dermatology

Bio

BIO

Emily Gorell, DO, MS is a Post-Doctoral Clinical Research Fellow in Dermatology, working with Dr. Jean Tang. Dr. Gorell's research focuses on epidermolysis bullosa (EB), with an emphasis on molecular correction methods and clinical trials. Dr. Gorell first became interested in epidermolysis bullosa after volunteering at Camp Wonder, a summer camp for children with skin diseases in the early 2000s. Prior to medical school, Dr. Gorell was a Senior Clinical Research Coordinator in Dermatology for 7 years, focused on pediatric dermatology clinical research. Dr. Gorell's primary project as a research coordinator was the initiation of a Phase 1 clinical trial of gene therapy for recessive dystrophic EB, with results published in JAMA in 2016.

Dr. Gorell completed her undergraduate work at U.C. Berkeley. She obtained a Master's Degree in Physiology and Biophysics from Georgetown University. She completed medical school at A.T. Still University School of Osteopathic Medicine in Arizona, and performed her clinical rotations at the Seattle, WA clinical site. Dr. Gorell completed a Transitional Year program at Spokane Teaching Health Center in Spokane, WA. Dr. Gorell will be starting dermatology residency at the University of Cincinnati in July 2020.

HONORS AND AWARDS

- Member, Gold Humanism Honor Society
- Member, Chapter Vice President, Sigma Sigma Phi Osteopathic Honor Society
- 2017 Welch Scholar Grant, American Osteopathic Foundation
- 2017 Dr. Marvin H. and Kathleen G. Teget Leadership Scholarship, Student Osteopathic Medical Association Foundation
- 2018 Community Campus Honor Award, ATSU-SOMA

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Member, American Medical Association (2015 - present)
- Member, Pediatric Dermatology Research Alliance (2019 - present)

PROFESSIONAL EDUCATION

- D.O., A.T. Still University School of Osteopathic Medicine in Arizona, Medicine (2018)
- M.S., Georgetown University, Physiology and Biophysics (2010)
- B.A., UC Berkeley, Molecular and Cell Biology (2007)

STANFORD ADVISORS

- Jean Tang, Postdoctoral Faculty Sponsor

COMMUNITY AND INTERNATIONAL WORK

- Camp Discovery Texas
- Camp Wonder
- St. Baldrick's Foundation
- DOCare International, Nicaragua

Publications

PUBLICATIONS

- **Phase 1/2a clinical trial of gene-corrected autologous cell therapy for recessive dystrophic epidermolysis bullosa.** *JCI insight*
Eichstadt, S., Barriga, M., Ponakala, A., Teng, C., Nguyen, N. T., Sibrashvili, Z., Nazarov, J., Gorell, E. S., Chiou, A. S., Taylor, L., Khuu, P., Keene, D. R., Rieger, et al
2019; 4 (19)
- **Genetically corrected autologous keratinocyte epidermal grafts improve wound healing and patient reported outcomes in patients with recessive dystrophic epidermolysis bullosa**
Eichstadt, S., Barriga, M., Teng, C., Nguyen, N. T., Gorell, E., Sibrashvili, Z., Loutit, K., Dutt-Singh, Y., Nazarov, J., Marinkovich, M. P., Tang, J.
ELSEVIER SCIENCE INC.2019: S64
- **Phase I / II Clinical Trial for Recessive Dystrophic Epidermolysis Bullosa Using EB-101 (COL7A1 Gene-Corrected Autologous Keratinocytes)**
Tang, J. Y., Marinkovich, M. P., Sibrashvili, Z., Nguyen, N. T., Gorell, E. S., Loutit, K., Dutt-Singh, Y., Barriga, M., Solis, D., Khuu, P., Furukawa, L., Lorenz, H. P., Leung, et al
CELL PRESS.2018: 158
- **Phase I/IIa clinical trial for recessive dystrophic epidermolysis bullosa using EB-101 (COL7A1 gene-corrected autologous keratinocytes)**
Sibrashvili, Z., Nguyen, N. T., Gorell, E. S., Loutit, K., Dutt-Singh, Y., Nazarov, J., Khuu, P., Furukawa, L., Lorenz, H. P., Leung, T. H., Keene, D. R., Rieger, K. E., Khavari, et al
MARY ANN LIEBERT, INC.2017: A10
- **Phase I/IIa clinical trial for recessive dystrophic epidermolysis bullosa using genetically corrected autologous keratinocytes**
Sibrashvili, Z., Nguyen, N., Gorell, E., Loutit, K., Dutt-Singh, Y., Nazarov, J., Khuu, P., Furukawa, L., Lorenz, H., Leung, T., Keene, D., Rieger, K., Khavari, et al
ELSEVIER SCIENCE INC.2017: S89
- **Safety and Wound Outcomes Following Genetically Corrected Autologous Epidermal Grafts in Patients With Recessive Dystrophic Epidermolysis Bullosa.** *JAMA*
Sibrashvili, Z., Nguyen, N. T., Gorell, E. S., Loutit, K., Khuu, P., Furukawa, L. K., Lorenz, H. P., Leung, T. H., Keene, D. R., Rieger, K. E., Khavari, P., Lane, A. T., Tang, et al
2016; 316 (17): 1808-1817
- **Phase I clinical trial for Recessive Dystrophic Epidermolysis Bullosa using genetically corrected autologous keratinocytes**
Sibrashvili, Z., Nguyen, N. T., Gorell, E. S., Loutit, K., Khuu, P., Furukawa, L. K., Lorenz, H. P., Leung, T. H., Keene, D., Rieger, K., Khavari, P. A., Lane, A., Tang, et al
ELSEVIER SCIENCE INC.2016: S65
- **Evaluation of Treatments for Pruritus in Epidermolysis Bullosa.** *Pediatric dermatology*
Danial, C., Adeduntan, R., Gorell, E. S., Lucky, A. W., Paller, A. S., Bruckner, A. L., Pope, E., Morel, K. D., Levy, M. L., Li, S., Gilmore, E. S., Lane, A. T.
2015; 32 (5): 628-634
- **Characterization of patients with dystrophic epidermolysis bullosa for collagen VII therapy** *BRITISH JOURNAL OF DERMATOLOGY*
Gorell, E. S., Nguyen, N., Sibrashvili, Z., Marinkovich, M. P., Lane, A. T.
2015; 173 (3): 821-23
- **Phase I clinical trial for recessive dystrophic epidermolysis bullosa using genetically corrected autologous keratinocytes**
Sibrashvili, Z., Nguyen, N. T., Gorell, E., Loutit, K., Khuu, P., Furukawa, L. K., Lorenz, H. P., Leung, T. H., Keene, D. R., Khavari, P., Lane, A., Tang, J. Y., Marinkovich, et al
NATURE PUBLISHING GROUP.2015: S72

- **Purified Type I Collagen Wound Matrix Improves Chronic Wound Healing in Patients with Recessive Dystrophic Epidermolysis Bullosa** *PEDIATRIC DERMATOLOGY*
Gorell, E. S., Leung, T. H., Khuu, P., Lane, A. T.
2015; 32 (2): 220-225
- **Prevalence and characterization of pruritus in epidermolysis bullosa.** *Pediatric dermatology*
Danial, C., Adeduntan, R., Gorell, E. S., Lucky, A. W., Paller, A. S., Bruckner, A., Pope, E., Morel, K. D., Levy, M. L., Li, S., Gilmore, E. S., Lane, A. T.
2015; 32 (1): 53-59
- **Phase 1 clinical trial of genetically corrected autologous epidermal keratinocytes for recessive dystrophic epidermolysis bullosa**
Siprashvili, Z., Nguyen, N. T., Gorell, E., Khuu, P., Furukawa, L., Lorenz, H. P., Leung, T. H., Keene, D. R., Khavari, P., Marinkovich, M., Lane, A. T.
NATURE PUBLISHING GROUP.2014: S75
- **Gene Therapy for Skin Diseases** *COLD SPRING HARBOR PERSPECTIVES IN MEDICINE*
Gorell, E., Ngon Nguyen, N., Lane, A., Siprashvili, Z.
2014; 4 (4)
- **Gene therapy for skin diseases.** *Cold Spring Harbor perspectives in medicine*
Gorell, E., Nguyen, N., Lane, A., Siprashvili, Z.
2014; 4 (4)
- **A follow-up survey of the integrity of the dermatology National Resident Matching Program** *JOURNAL OF THE AMERICAN ACADEMY OF DERMATOLOGY*
Sbicca, J. A., Gorell, E. S., Peng, D. H., Lane, A. T.
2012; 67 (3): 429-435
- **Differential effects of dietary supplements on metabolomic profile of smokers versus non-smokers** *GENOME MEDICINE*
Spitale, R. C., Cheng, M. Y., Chun, K. A., Gorell, E. S., Munoz, C. A., Kern, D. G., Wood, S. M., Knaggs, H. E., Wulff, J., Beebe, K. D., Chang, A. L.
2012; 4
- **Successful Investigational New Drug Preparation without Reinventing the Wheel** *JOURNAL OF INVESTIGATIVE DERMATOLOGY*
Gorell, E. S., Tichy, A. L., Lane, A. T.
2011; 131 (5): 996-998
- **The integrity of the dermatology National Resident Matching Program: Results of a national study** *JOURNAL OF THE AMERICAN ACADEMY OF DERMATOLOGY*
Sbicca, J. A., Gorell, E. S., Kanzler, M. H., Lane, A. T.
2010; 63 (4): 594-601
- **Initial Clinical Experience Using a Novel Ultraportable Negative Pressure Wound Therapy Device** *WOUNDS-A COMPENDIUM OF CLINICAL RESEARCH AND PRACTICE*
Fong, K. D., Hu, D., Eichstadt, S. L., Gorell, E., Munoz, C. A., Lorenz, H. P., Chang, A. L.
2010; 22 (9): 230-236
- **Diagnosis of Pilomatricoma Using an Otoscope** *PEDIATRIC DERMATOLOGY*
Barreto-Chang, O. L., Gorell, E. S., Yamaguma, M. A., Lane, A. T.
2010; 27 (5): 554-557
- **Initial clinical experience using a novel ultraportable negative pressure wound therapy device.** *Wounds : a compendium of clinical research and practice*
Fong, K. D., Hu, D., Eichstadt, S. L., Gorell, E., Munoz, C. A., Lorenz, H. P., Chang, A. L.
2010; 22 (9): 230-36
- **A Two-Year, Double-Blind, Randomized Placebo-Controlled Trial of Oral Green Tea Polyphenols on the Long-Term Clinical and Histologic Appearance of Photoaging Skin** *DERMATOLOGIC SURGERY*
Janjua, R., Munoz, C., Gorell, E., Rehmus, W., Egbert, B., Kern, D., Chang, A. L.
2009; 35 (7): 1057-1065
- **Adoption of Western Culture by Californian Asian Americans Attitudes and Practices Promoting Sun Exposure** *International Investigative Dermatology Meeting*
Gorell, E., Lee, C., Munoz, C., Chang, A. L.

