Bio

BIO

Peter Marinkovich, M.D., is an Associate Professor of Dermatology, a faculty member of the Program in Epithelial Biology and the Stanford Cancer Biology Program. He has an interest in inflammatory skin disease and is Director of the Stanford Bullous Disease and Psoriasis Clinics as well as an attending dermatologist at the VA Palo Alto Medical Center. Dr. Marinkovich’s research focuses on pathogenesis and therapy of epidermolysis bullosa, autoimmune blistering diseases, psoriasis and skin cancer.

CLINICAL FOCUS

- Cancer > Cutaneous (Dermatologic) Oncology
- Dermatology
- Autoimmune Blistering Diseases
- Epidermolysis Bullosa
- Pemphigus
- Pemphigoid
- Linear IgA Disease
• Dermatitis Herpetiformis
• Herpes Gestations
• Psoriasis

ACADEMIC APPOINTMENTS
• Associate Professor, Dermatology
• Member, Bio-X
• Member, Maternal & Child Health Research Institute (MCHRI)
• Member, Stanford Cancer Institute

ADMINISTRATIVE APPOINTMENTS
• Member, Cancer Center, Stanford University School of Medicine, (2004- present)
• Member, Medical Institutional Review Board 4, Stanford University School of Medicine, (2005- present)
• Attending Physician, Dermatology Service, Palo Alto VA Medical Center, (1995- present)
• Director, Blistering Disease Clinic, Department of Dermatology, Stanford University School of Medicine, (1995- present)
• Founding Member/Core Investigator, Program in Epithelial Biology, Stanford University, (1999- present)
• Member, Institute for Immunity, Transplantation and Infection (ITI), (2011- present)

PROFESSIONAL EDUCATION
• Medical Education: St Louis University School of Medicine (1988) MO
• Residency: Oregon Health Sciences University Dept of Dermatology (1994) OR
• Internship: UCSF Internal Medicine Residency (1989) CA
• Board Certification: Dermatology, American Board of Dermatology (1995)

LINKS
• Marinkovich Lab: http://bmz.stanford.edu/

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS
The extracellular matrix of epithelial tissues plays a critical role in many important biological processes such as tissue development and differentiation, wound healing, tumor invasion, cell proliferation and cell migration. A highly organized array of these molecules, termed the basement membrane, lies at the interface of epithelial tissues with surrounding stroma. Cell surface receptors termed integrins transmit the informational cues brought about by changes in the extracellular environment, and transmit them, via intracellular signaling, to effect changes in epithelial gene expression. Laminins and collagens are molecules of the extracellular matrix which play particularly crucial roles in epithelial development.

EXTRACELLULAR MATRIX IN CARCINOMA INVASION
Laminin-5 and its cell surface receptor α6β4 integrin are required for development of squamous cell carcinomas. Lack of either of these molecules results in a lack of tumor growth, whereas overexpression of these molecules correlates with increasing tumor invasiveness and a worsening patient prognosis. We have identified that laminin-5 undergoes proteolytic processing of two of its three chains, via mammalian Tolloid, a metalloprotease of the astacin family. Processing of laminin-5 promotes tumor invasion. We are currently studying the mechanisms whereby these processing events influence tumor cell invasion, migration and metastasis. Type VII collagen appears to play a key role in tumor invasion, and appears to operate through association with laminin-5. We are currently studying the mechanism of this association and its role in tumorigenesis. The laminin-5 receptor α6β4 integrin interacts with laminin-5 at one end and with intracellular protein complexes at the other end, through
which it transmits important signaling information to the cell. Disruption of laminin-5 binding or binding to the intracellular protein plectin, through site directed mutagenesis results in a lack of tumor growth, indicating that integrin binding to laminin-5 and integrin binding to plectin are both critical in tumor progression. We are currently studying the mechanisms whereby these binding events promote tumor progression. The molecule collagen XVII is closely associated with laminin-5 and α6β4 integrin and also is required for tumor invasion. The C-terminal extracellular domain of this molecule appears to play a critical role in interaction with extracellular matrix molecules and in organizing cell adhesion structures. It is also a focus of our studies of the role of extracellular matrix in tumor progression.

EXTRACELLULAR MATRIX IN HAIR DEVELOPMENT

Laminin-10 is a widely expressed molecule found in a number of epithelial tissues. Lack of laminin-10 in lama5 -/- mice results in aberrant tissue development. In the skin, there is a complete lack of hair follicle development. Exogenous delivery of laminin-10 rescues hair development in lama5 -/- skin. Laminin-10 appears to act as a potent morphogen, stimulating hair follicle development in the skin of these mice. We are currently examining this system to further understand the mechanisms whereby laminin-10 facilitates hair follicle development and basal cell carcinoma invasion, a developmentally similar process.

EXTRACELLULAR MATRIX IN EPITHELIAL ADHESION

Laminin-5, α6β4 integrin, type VII collagen and type XVII collagen each promote epithelial-mesenchymal cohesion. Defects of these molecule, in the inherited group of diseases known as epidermolysis bullosa, result in profound epithelial adhesion defects, causing extensive skin and mucosal blisters and erosions. As part of a Departmental effort, in association with the Khavari laboratory, our laboratory is participating in the study of new and novel forms of extracellular matrix gene replacement in these adhesion disorders, with the goal of translating these techniques to the clinical setting.

CLINICAL TRIALS

• A Double-blind, Randomized, Intra-subject Placebo-controlled, Multicenter, Multiple Dose Study, Evaluating Safety, Proof of Mechanism, Preliminary Efficacy and Systemic Exposure in Subjects With Confirmed DDEB or RDEB Diagnosis With One or More Pathogenic Mutations in Exon 73 in the COL7A1 Gene, Recruiting
• A Long-term Treatment With B-VEC for Dystrophic Epidermolysis Bullosa, Recruiting
• A Phase 1/2 Trial of PTR-01 in Adult Patients With Recessive Dystrophic Epidermolysis Bullosa (RDEB), Recruiting
• A Phase II Study of KB103, a Topical HSV1-COL7, on DEB Patients, Recruiting
• A Study of FCX-007 for Recessive Dystrophic Epidermolysis Bullosa (RDEB), Recruiting
• Characteristics of Patients With Recessive Dystrophic Epidermolysis Bullosa, Recruiting
• Long-Term Follow-up Protocol, Recruiting
• Ph 3 Efficacy and Safety of B-VEC for the Treatment of DEB, Recruiting
• Phase 3, Open-label Clinical Trial of EB-101 for the Treatment of Recessive Dystrophic Epidermolysis Bullosa (RDEB), Recruiting
• A Study of FCX-007 for Recessive Dystrophic Epidermolysis Bullosa, Not Recruiting
• Characteristics of Adult Patients With Recessive Dystrophic Epidermolysis Bullosa, Not Recruiting
• Gene Transfer for Recessive Dystrophic Epidermolysis Bullosa, Not Recruiting
• Grafting of Epidermolysis Bullosa Wounds Using Cultured Revertant Autologous Keratinocytes, Not Recruiting
• The Natural History of Wounds in Patients With Dystrophic Epidermolysis Bullosa (DEB), Not Recruiting

Teaching

STANFORD ADVISEES

Postdoctoral Faculty Sponsor

Pragya Tripathi
GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Cancer Biology (Phd Program)
- Dermatology (Fellowship Program)

Publications

PUBLICATIONS

- **In vivo topical gene therapy for recessive dystrophic epidermolysis bullosa: a phase 1 and 2 trial.** *Nature medicine*
  Gurevich, I., Agarwal, P., Zhang, P., Dolorito, J. A., Oliver, S., Liu, H., Reitze, N., Surma, N., Bagci, I. S., Sridhar, K., Kakarla, V., Yenamandra, V. K., O'Malley, et al
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- **Epidermolysis bullosa.** *Nature reviews. Disease primers*
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- **Chronic skin inflammation accelerates macrophage cholesterol crystal formation and atherosclerosis** *Chronic skin inflammation accelerates macrophage cholesterol crystal formation and atherosclerosis*
  Marinkovich, M. P., et al
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- **Microtubules acquire resistance from mechanical breakage through intralumenal acetylation** *SCIENCE*
  Xu, Z., Schaedel, L., Portran, D., Aguilar, A., Gaillard, J., Marinkovich, M. P., Thery, M., Nachury, M. V.
  2017; 356 (6335): 328-332

- **Gentamicin induces functional type VII collagen in recessive dystrophic epidermolysis bullosa patients.** *The Journal of clinical investigation*
  Woodley, D. T., Cogan, J. n., Hou, Y. n., Lyu, C. n., Marinkovich, M. P., Keene, D. n., Chen, M. n.
  2017; 127 (8): 3028–38

- **Safety and Wound Outcomes Following Genetically Corrected Autologous Epidermal Grafts in Patients With Recessive Dystrophic Epidermolysis Bullosa.** *JAMA*
  Siprashvili, Z., Nguyen, N. T., Gorell, E. S., Loutit, K., Khoo, P., Furukawa, L. K., Lorenz, H. P., Leung, T. H., Keene, D. R., Rieger, K. E., Khavari, P., Lane, A. T., Tang, et al
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- **RAC1 activation drives pathologic interactions between the epidermis and immune cells** *JOURNAL OF CLINICAL INVESTIGATION*
  Winge, M. C., Ohyama, B., Dey, C. N., Boxer, L. M., Li, W., Ehsani-Chimeh, N., Truong, A. K., Wu, D., Armstrong, A. W., Makino, T., Davidson, M., Starcevic, D., Kislat, et al
  2016; 126 (7): 2661-2677

- **Practice and Educational Gaps in Blistering Disease** *DERMATOLOGIC CLINICS*
  Ehsani-Chimeh, N., Marinkovich, M. P.
  2016; 34 (3): 251-7

- **Mapping the burden of severe forms of epidermolysis bullosa - Implications for patient management.** *JAAD international*
  Mellerio, J. E., Kiritsi, D., Marinkovich, M. P., Haro, N. R., Badger, K., Arora, M., Dziasko, M. A., Vithlani, M., Martinez, A. E.
  2023; 11: 224-232

- **Mixed IgM- and IgA-mediated epidermolysis bullosa acquisita associated with IgM-# paraproteinemia in an 81-year-old woman.** *JAAD case reports*
  Chau, T., Wu, J., Kahn, B., Elco, C., Marinkovich, M. P., Rieger, K. E., Robinson-Bostom, L., Firoz, E. F.
  2023; 34: 7-9

- **Trial of Beremagene Geperpavec (B-VEC) for Dystrophic Epidermolysis Bullosa.** *The New England journal of medicine*
  Guide, S. V., Gonzalez, M. E., Bagci, I. S., Agostini, B., Chen, H., Feeney, G., Steimer, M., Kapadia, B., Sridhar, K., Quesada Sanchez, L., Gonzalez, F., Van Ligten, M., Parry, et al
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• Characterization of DSG3-CAART cells prior to & following adoptive transfer in mucosal Pemphigus Vulgaris
  Basu, S., Volkov, J., Nunez, D., Fouch, M., Stadanlick, J., Binder, G., Chang, D., Hoffman, K., Porter, D., Abedi, M., Weng, W. K., Micheletti, R., Maverakis, et al
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• Long-term safety and efficacy of gene-corrected autologous keratinocyte grafts for recessive dystrophic epidermolysis bullosa. *Orphanet journal of rare diseases*
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• Localized CO2 laser treatment of a recalcitrant oral ulceration in pemphigus vulgaris *CLINICAL ADVANCES IN PERIODONTICS*
  Chainani-Wu, N., Gopal-Murthy, V., Wu, A., Marinkovich, M.
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• Genotype-phenotype associations in recessive dystrophic epidermolysis bullosa (RDEB)
  So, J., Harris, N., Fulchand, S., Gorell, E., Nazaroff, J., Yenamandra, V., Marinkovich, M., Tang, J.
  ELSEVIER SCIENCE INC.2022: S77

• A phase 1 trial of DSG3-CAART cells in mucosal-dominant pemphigus vulgaris (mPV) patients: Preliminary data
  Chang, D. J., Basu, S., Micheletti, R., Maverakis, E., Marinkovich, M., Porter, D. L., Abedi, M., Weng, W., Hoffman, K., Volkov, J., Nunez, D., Milone, M. C., Binder, et al
  ELSEVIER SCIENCE INC.2022: B18

• GEM-3: phase 3 safety and immunogenicity results of beremagene geperpavec (B-VEC), an investigational, topical gene therapy for dystrophic epidermolysis bullosa (DEB)
  Marinkovich, M., Gonzalez, M., Guide, S., Bagci, I. S., Chitra, S., Agostini, B., Chen, H., Parry, T., Krishnan, S.
  ELSEVIER SCIENCE INC.2022: S79

• Characterization of DSG3-CAART Cells Prior to & Following Adoptive Transfer in Mucosal Pemphigus Vulgaris
  Basu, S., Volkov, J. S., Chang, D., Nunez, D., Hoffman, K., Manfredo-Vieira, S., Porter, D., Abedi, M., Weng, W., Micheletti, R., Maverakis, E., Marinkovich, M., Milone, et al
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• A Phase 1 Trial of Targeted DSG3-CAART Cell Therapy in Mucosal-Dominant Pemphigus Vulgaris (mPV) Patients: Early Cohort Data
  Chang, D. J., Basu, S., Porter, D., Abedi, M., Weng, W., Micheletti, R., Maverakis, E., Marinkovich, M., Bryer, J., Downing, L., Bagci, I., Hoffman, K., Volkov, et al
  CELL PRESS.2022: 373

• The Treatment of Wounds Associated with Recessive Dystrophic Epidermolysis Bullosa with Local Injections of Gene-Corrected, Collagen VII-Expressing Autologous Human Dermal Fibroblasts
  Marinkovich, M., Sridhar, K. J., Bagci, I., Dolorito, J. M., Keene, D. R., Yonchek, M., Blumenthal, R. L., Spellman, M. C.
  CELL PRESS.2022: 376

• Patient-reported outcomes and quality of life in dominant dystrophic epidermolysis bullosa: A global cross-sectional survey. *Pediatric dermatology*
  Fulchand, S., Harris, N., Li, S., Barriga, M., Gorell, E., De Souza, M., Murrell, D., Marinkovich, P., Krishna Yenamandra, V., Tang, J. Y.
  2021

• Measurement of skin adhesion in recessive dystrophic epidermolysis bullosa patients *JOURNAL OF THE AMERICAN ACADEMY OF DERMATOLOGY*
  Nazaroff, J., Manoukian, M., Barriga, M., Lane, A., Marinkovich, M., Tang, J. Y.
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• Patient reported outcomes following EB-101 treatment of recessive dystrophic epidermolysis bullosa (rdeb) wounds showed durable wound healing and reduction in disease burden
  Tang, J., Marinkovich, M., Barriga, M., Bailey, I., Harris, N., Rudin, D.
  ELSEVIER SCIENCE INC.2021: S31

• Assessment of safety in repeat dosing of an in vivo topical gene therapy for the treatment of recessive dystrophic epidermolysis bullosa (RDEB) in a phase I/II trial
  Marinkovich, M., Forte, S., Oliver, S., Dolorito, J., Sridhar, K., Liu, H., Reitze, N., Sarma, N., Krishnan, S.
  ELSEVIER SCIENCE INC.2021: S28
- A systematic literature review of the disease burden in patients with recessive dystrophic epidermolysis bullosa. *Orphanet journal of rare diseases*
  Tang, J. Y., Marinkovich, M. P., Lucas, E., Gorell, E., Chiov, A., Lu, Y., Gillon, J., Patel, D., Rudin, D.
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- Clinical characteristics associated with increased wound size in patients with recessive dystrophic epidermolysis bullosa. *Pediatric dermatology*
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- QR-313, an antisense oligonucleotide, shows therapeutic efficacy for treatment of dominant and recessive dystrophic epidermolysis bullosa: a preclinical study. *The Journal of investigative dermatology*
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- Classification of Two Distinct Wound Types in Recessive Dystrophic Epidermolysis Bullosa: A Retrospective and Cohort Natural History Study. *Journal of the American Academy of Dermatology*
  Solis, D. C., Teng, C., Gorell, E. S., Barriga, M., Nazaroff, J., Li, S., Lu, Y., Bruckner, A., Marinkovich, M. P., Tang, J. Y.
  2020

- Multidisciplinary Care of Epidermolysis Bullosa during the COVID-19 Pandemic - Consensus: Recommendations by an International Panel of Experts. *Journal of the American Academy of Dermatology*
  Murrell, D. F., Lucky, A. W., Salas-Alanis, J. C., Woodley, D. T., Palisson, F., Natsuga, K., Nikolic, M., Ramirez-Quizon, M., Paller, A. S., Lara-Corrales, I., Barzegar, M. A., Sprecher, E., Has, et al
  2020

- Neutrophils are critical in linear IgA bullous dermatosis in mice
  Li, N., Burette, S., Jing, K., Mulligan, E., Yanik, J., Yang, B., Marinkovich, M. P., Diaz, L., Feng, S., Liu, Z.
  ELSEVIER SCIENCE INC.2020: S10

- Larger wounds in recessive dystrophic epidermolysis bullosa patients associated with worse quality of life: Results of a global cross-sectional survey
  Gorell, E., Eng, V., Solis, D., Choi, S., Nazaroff, J., Li, S., de Souza, M., Murrell, D., Marinkovich, M. P., Tang, J.
  ELSEVIER SCIENCE INC.2020: S34

- In vivo correction of recessive dystrophic epidermolysis bullosa (RDEB) by direct cutaneous COL7A1 gene replacement: Results of a phase 1-2 trial
  Marinkovich, M. P., Vinzant, S., Karkala, V., Sridhar, K., Gurevitch, I., Dolorito, J., Agarwal, P., Krishnan, S.
  ELSEVIER SCIENCE INC.2020: S37

- Topical QR-313, an Antisense Oligonucleotide, in the Treatment of Dystrophic Epidermolysis Bullosa
  Marinkovich, M. P., Sridhar, K., Karkala, V., Yenamandra, V. K., Gurevitch, I., Dolorito, J., Bagci, I. S., O'Mara, C., Ransdell, D., Landy, H.
  ELSEVIER SCIENCE INC.2020: S37

- Premature thymic involution and oropharyngeal blistering cause early lethality in generalized severe junctional epidermolysis bullosa
  Yenamandra, V. K., Dolorito, J., Gurevitch, I., Godoy, E., Casey, K., Marinkovich, M. P.
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- Type VII collagen NC2 domain expression differentiates severe from milder recessive dystrophic epidermolysis bullosa subtypes
  Ponakala, A., Yenamandra, V. K., Teng, C. E., Barriga, M., Dolorito, J., Gorell, E., Nguyen, N., Tufa, S., Rieger, K., Keene, D., Tang, J., Marinkovich, M. P.
  ELSEVIER SCIENCE INC.2020: S37

- Diagnosis and management of pemphigus: Recommendations of an international panel of experts *JOURNAL OF THE AMERICAN ACADEMY OF DERMATOLOGY*
  Murrell, D. F., Pena, S., Joly, P., Marinovic, B., Hashimoto, T., Diaz, L. A., Sinha, A. A., Payne, A. S., Daneshpazhooh, M., Eming, R., Jonkman, M. F., Mimouni, D., Borradori, et al
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- Consensus reclassification of inherited epidermolysis bullosa and other disorders with skin fragility. *The British journal of dermatology*
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Marinkovich, M.

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- **Cells from discarded dressings differentiate chronic from acute wounds in patients with Epidermolysis Bullosa.** *Scientific reports*
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- **Patient Reported Outcomes and Quality of Life in Recessive Dystrophic Epidermolysis Bullosa: A Global Cross-sectional Survey.** *Journal of the American Academy of Dermatology*
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- **RECOMBINANT HUMAN COLLAGEN VII DECREASES MARKERS OF FIBROSIS AFTER CORNEAL ABRASION IN MICE WITH EPIDERMOLYSIS BULLOSIS**
  Chen, V. M., Shelke, R., Gipson, I., Kumar-Singh, R., Panjwani, N., Cao, Z., Ramadan, A., Marinkovich, M.
  ACTA DERMATO-VENEREOLOGICA.2020: 70

- **RELATIONSHIPS BETWEEN WOUND SIZE, CLINICAL MANIFESTATIONS, AND QUALITY OF LIFE IN RECESSIVE DYSTROPHIC EPIDERMOLYSIS BULLOSIS: A GLOBAL CROSS-SECTIONAL SURVEY**
  Gorell, E. S., Eng, V., Solis, D., Choi, S., Nazaroff, J., de Souza, M., Murrell, D., Marinkovich, M. P., Tang, J. Y.
  ACTA DERMATO-VENEREOLOGICA.2020: 39–40

- **COSTS AND ACCESSIBILITY**
  Marinkovich, M.
  ACTA DERMATO-VENEREOLOGICA.2020: 17

- **CLASSIFICATION OF TWO DISTINCT WOUND TYPES IN RECESSIVE DYSTROPHIC EPIDERMOLYSIS BULLOSIS: A NATURAL HISTORY STUDY**
  Teng, C., Solis, D. C., Barriga, M., Li, S., Marinkovich, M., Tang, J. Y.
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- **IMMUNE CELL PROFILING OF WOUNDS FROM EPIDERMOLYSIS BULLOSIS PATIENTS**
  Fuentes, I., Guttmann-Gruber, C., Tockner, B., Diem, A., Klausegger, A., Cofre-Araneda, G., Figuera, O., Hidalgo, Y., Morande, P., Palisson, F., Rebolledo-Jaramillo, B., Yubero, M., Cho, et al
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- **GENE THERAPY FOR RDEB (EX VIVO VS IN VIVO)**
  Marinkovich, M.
  ACTA DERMATO-VENEREOLOGICA.2020: 13

- **PHASE 1/2A CLINICAL TRIAL OF GENE-CORRECTED AUTOLOGOUS CELL THERAPY FOR RECESSIVE DYSTROPHIC EPIDERMOLYSIS BULLOSIS**
  Gorell, E., Eichstadt, S., Barriga, M., Ponakala, A., Teng, C., Nguyen, N., Siprashvili, Z., Nazaroff, J., Chiuou, A., Taylor, L., Khuu, P., Keene, D., Rieger, et al
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- **RESULTS FROM A PHASE I/II STUDY OF A TOPICAL GENE THERAPY (BERCOLAGENE TELSERPAVEC, B-VEC) IN PATIENTS WITH RECESSIVE DYSTROPHIC EPIDERMOLYSIS BULLOSIS (RDEB)**
  Marinkovich, M. P., Vinzant, S., Agarwal, P., Krishna, S.
  ACTA DERMATO-VENEREOLOGICA.2020: 48

- **UNDERSTANDING OCULAR DISEASE IN THE DEB MOUSE MODEL: CHALLENGES OF ASYMMETRY AND SURVIVAL**
  Chen, V. M., Richey, L., Esmail, M., Shelke, R., Cao, Z., Panjwani, N., Marinkovich, M.
  ACTA DERMATO-VENEREOLOGICA.2020: 69

- **A PHASE 1/2 STUDY OF GENETICALLY-CORRECTED, COLLAGEN VII EXPRESSING AUTOLOGOUS HUMAN DERMAL FIBROBLASTS INJECTED INTO THE SKIN OF PATIENTS WITH RECESSIVE DYSTROPHIC EPIDERMOLYSIS BULLOSIS (RDEB)**
  Marinkovich, M. P., Lane, A., Sridhar, K., Keene, D., Malyala, A., Spellman, M., Maslowski, J.
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- **From Clinical Phenotype to Genotypic Modelling: Incidence and Prevalence of Recessive Dystrophic Epidermolysis Bullosa (RDEB).** *Clinical, cosmetic and investigative dermatology*
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2019

- 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., Siprashvili, Z., Nazaroff, J., Gorell, E. S., Chiou, A. S., Taylor, L., Khuu, P., Keene, D. R., Rieger, et al
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Marinkovich, M., Tang, J. Y.
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- First in human use of a novel in vivo gene therapy to successfully correct recessive dystrophic epidermolysis bullosa (RDEB) skin: Results of a phase 1/2 placebo controlled trial
Marinkovich, M. P., Sridhar, K., Gurevich, I., Ponakala, A., Boddu, S., Keene, D., Vinzant, S., Agarwal, P., Krishnan, S.
ELSEVIER SCIENCE INC.2019: S66

- The use of human skin equivalents to evaluate the effectivity of QR-313, an antisense oligonucleotide, in gel formulation
Hogervorst, M., van Berkel, M., Oort, C., Marinkovich, M. P., Keene, D., Ritsema, T., Swildens, J., Haisma, I.
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- Natural history of wounds in patients with recessive dystrophic epidermolysis bullosa
Teng, C., Solis, D., Tang, J., Barriga, M., Marinkovich, M. P.
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- From Clinical Phenotype to Genotypic Modelling: Incidence and Prevalence of Recessive Dystrophic Epidermolysis Bullosa (RDEB) *CLINICAL COSMETIC AND INVESTIGATIONAL DERMATOLOGY*
Eichstadt, S., Tang, J. Y., Solis, D. C., Siprashvili, Z., Marinkovich, M., Whitehead, N., Schu, M., Fang, F., Erickson, S. W., Ritchey, M. E., Colao, M., Spratt, K., Shaygan, et al
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Marinkovich, M. P., Tang, J. Y.
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PRESENTATIONS

• Panel Discussions: Tackling Challenges in Epidermolysis Bullosa: What Does the Future Hold - AAD 2017 Annual Meeting (March 2017)
• Precision Dermatology: Next Generation Prevention, Diagnosis, and Treatment - Montagna Symposium on the Biology of Skin (October 2017)