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- MD Student with Scholarly Concentration in Bioengineering, expected graduation Spring 2025
- Masters Student in Epidemiology and Clinical Research, admitted Autumn 2023

Publications

PUBLICATIONS

- **Filling the Prescription Gap: The Value of Community Support in Psoriasis Management.** *The British journal of dermatology*
Leeolou, M. C., Sarin, K. Y., Fiorentino, D. F.
2024
- **Livedoid vasculopathy.** *Dermatology online journal*
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2023; 29 (5)
- **Allometrically scaling tissue forces drive pathological foreign-body responses to implants via Rac2-activated myeloid cells.** *Nature biomedical engineering*
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- **Nitric oxide-releasing gel accelerates healing in a diabetic murine splinted excisional wound model.** *Frontiers in medicine*
Sivaraj, D., Noishiki, C., Kosaric, N., Kiwanuka, H., Kussie, H. C., Henn, D., Fischer, K. S., Trotsyuk, A. A., Greco, A. H., Kuehlmann, B. A., Quintero, F., Leeolou, M. C., Granoski, et al
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- **Bullous impetigo on a young man's abdomen.** *Dermatology online journal*
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- **Livedoid vasculopathy** *Dermatology Online Journal*
Leeolou, M. C., Rieger, K. E., Yeh, J. E.
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- **Primary cutaneous CD4+ small/medium-sized pleomorphic T-cell lymphoproliferative disorder in a young woman.** *Dermatology online journal*
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- **Wireless, closed-loop, smart bandage with integrated sensors and stimulators for advanced wound care and accelerated healing.** *Nature biotechnology*
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- **Evanescant, episodic salmon-colored macules in a young woman.** *JAAD case reports*
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2022; 29: 30-32
- **Characterization of Mechanoresponsive Inflammatory Cells during Wound Healing**
Chen, K., Griffin, M., Henn, D., Bonham, C. A., Fischer, K., Padmanabhan, J., Trotsyuk, A. A., Sivaraj, D., Leeolou, M., Kussie, H. C., Huskins, S., Steele, S., Perrault, et al
WILEY.2022: A22
- **Disrupting mechanotransduction decreases fibrosis and contracture in split-thickness skin grafting.** *Science translational medicine*

- Chen, K., Henn, D., Januszyk, M., Barrera, J. A., Noishiki, C., Bonham, C. A., Griffin, M., Tevlin, R., Carlomagno, T., Shannon, T., Fehlmann, T., Trotsyuk, A. A., Padmanabhan, et al
2022; 14 (645): eabj9152
- **Pullulan-Collagen Hydrogel Wound Dressing Promotes Dermal Remodeling and Wound Healing Compared to Commercially Available Collagen Dressings.** *Wound repair and regeneration : official publication of the Wound Healing Society [and] the European Tissue Repair Society*
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 - **Mechanical Signaling Mediated by IQGAP1 Promotes Pathologic Foreign Body Response**
Sivaraj, D., Padmanabhan, J., Chen, K., Henn, D., Kussie, H. C., Leeolou, M. C., Trotsyuk, A. A., Fischer, K., Perrault, D., Gurtner, G. C.
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 - **Application of No Releasing Gel Increases Fibronectin, TGF-beta 1, and Accelerates Wound Healing in Diabetic Mice**
Noishiki, C., Sivaraj, D., Kosaric, N., Leeolou, M. C., Kussie, H. C., Kiwanuka, H., Henn, D., Fischer, K., Trotsyuk, A. A., Padmanabhan, J., Perrault, D., Murad, F., Chen, et al
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 - **Determining How Early Disruption Of Mechanotransduction Affects Acute Wound Healing**
Kussie, H. C., Sivaraj, D., Leeolou, M. C., Huskins, S. L., Steele, S., Henn, D., Trotsyuk, A. A., Gurtner, G. C., Chen, K.
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 - **Interactions Of Fibroblasts Versus Macrophages In An In Vitro Model Of Scar Formation And Wound Healing**
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 - **Pullulan-Collagen Hydrogel Wound Dressing Promotes Dermal Remodeling and Healing in an Excisional Wound Model**
Leeolou, M. C., Sivaraj, D., Davitt, M., Henn, D., Steele, S., Huskins, S. L., Trotsyuk, A. A., Kussie, H. C., Greco, A., Perrault, D., Padmanabhan, J., Longaker, M. T., Chen, et al
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 - **Characterization of Mechanoresponsive Inflammatory Cells during Wound Healing**
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 - **Galvanotactic Smart Bandage for Chronic Wound Management and Tissue Regeneration**
Trotsyuk, A. A., Jiang, Y., Niu, S., Henn, D., Chen, K., Larson, M., Beard, E., Saberi, A., Sivaraj, D., Mermin-Bunnell, A., Mittal, S., Jing, S., Kwon, et al
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 - **Reinforced Biologic Mesh Reduces Postoperative Complications Compared to Biologic Mesh after Ventral Hernia Repair.** *Plastic and reconstructive surgery. Global open*
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- **Inhibiting Fibroblast Mechanotransduction Modulates Severity of Idiopathic Pulmonary Fibrosis.** *Advances in wound care*
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- **First reported case of Wohlfahrtiimonas chitiniclastica infection in California JAAD Case Reports** *Journal of the American Academy of Dermatology Case Reports*
Leeolou, M. C., Perrault, D. P., Siravaj, D., Chang, A. S., Chen, K., Trotsyuk, A., Padmanabhan, J., Gurtner, G. C.
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