



Eon Joseph Rios, MD, PhD

- Clinical Assistant Professor (Affiliated), Dermatology
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Bio

BIO

Eon Rios, M.D., Ph.D., is a Clinical Assistant Professor (Affiliated) of Dermatology at Stanford University and Attending Physician at Santa Clara Valley Medical Center. His research interests span basic science investigations studying non-coding regulators of epidermal differentiation to investigations of the skin and gut Microbiome in dermatology patients. Clinically he is interested in general and complex medical dermatology.

CLINICAL FOCUS

- Dermatology

HONORS AND AWARDS

- Physician Scientist Career Development Award, Dermatology Foundation (2014, 2015, 2016)

PROFESSIONAL EDUCATION

- Board Certification: Dermatology, American Board of Dermatology (2014)
- Residency: Stanford University Dermatology Residency (2014) CA
- Internship: Santa Clara Valley Medical Center Internal Medicine Residency (2011) CA
- Medical Education: Stanford University School of Medicine (2010) CA

Publications

PUBLICATIONS

- **Cutaneous hypersensitivity reaction with acute hepatitis following COVID-19 vaccine.** *JAAD case reports*
Wong, C. Y., Rios, E. J.
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- **CSNK1a1 Regulates PRMT1 to Maintain the Progenitor State in Self-Renewing Somatic Tissue.** *Developmental cell*
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2017; 43 (2): 227–39.e5
- **Genomic analysis of mycosis fungoides and Sézary syndrome identifies recurrent alterations in TNFR2.** *Nature genetics*
Ungewickell, A., Bhaduri, A., Rios, E., Reuter, J., Lee, C. S., Mah, A., Zehnder, A., Ohgami, R., Kulkarni, S., Armstrong, R., Weng, W., Gratzinger, D., Tavallaee, et al
2015; 47 (9): 1056-1060
- **A LncRNA-MAF:MAFB Transcription Factor Network Regulates Epidermal Differentiation** *DEVELOPMENTAL CELL*
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2015; 32 (6): 693-706
- **FceRI expression and dynamics on mast cells.** *Methods in molecular biology (Clifton, N.J.)*
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- **Recurrent point mutations in the kinetochore gene KNSTRN in cutaneous squamous cell carcinoma** *NATURE GENETICS*
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2014; 46 (10): 1060-1062
- **Rapid desensitization induces internalization of antigen-specific IgE on mouse mast cells.** *journal of allergy and clinical immunology*
Oka, T., Rios, E. J., Tsai, M., Kalesnikoff, J., Galli, S. J.
2013; 132 (4): 922-32 e1 16
- **Endothelin-1 Augments Na⁺/H⁺ Exchange Activity in Murine Pulmonary Arterial Smooth Muscle Cells via Rho Kinase** *PLOS ONE*
Undem, C., Rios, E. J., Maylor, J., Shimoda, L. A.
2012; 7 (9)
- **The Chymase Mouse Mast Cell Protease 4 Degrades TNF, Limits Inflammation, and Promotes Survival in a Model of Sepsis** *AMERICAN JOURNAL OF PATHOLOGY*
Piliponsky, A. M., Chen, C., Rios, E. J., Treuting, P. M., Lahiri, A., Abrink, M., Pejler, G., Tsai, M., Galli, S. J.
2012; 181 (3): 875-886
- **The chymase, mouse mast cell protease 4, degrades TNF, limits inflammation, and promotes survival in a mouse model of sepsis**
Piliponsky, A., Chen, C., Rios, E., Abrink, M., Pejler, G., Tsai, M., Galli, S.
AMER ASSOC IMMUNOLOGISTS.2011
- **Rabaptin-5 regulates receptor expression and functional activation in mast cells** *BLOOD*
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2008; 112 (10): 4148-4157
- **Neurotensin increases mortality and mast cells reduce neurotensin levels in a mouse model of sepsis** *NATURE MEDICINE*
Piliponsky, A. M., Chen, C., Nishimura, T., Metz, M., Rios, E. J., Dobner, P. R., Wada, E., Wada, K., Zacharias, S., Mohanasundaram, U. M., Faix, J. D., Abrink, M., Pejler, et al

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- **Roles of RabGEF1/Rabex-5 domains in regulating Fc epsilon RI surface expression and Fc epsilon RI-dependent responses in mast cells** *BLOOD*
Kalesnikoff, J., Rios, E. J., Chen, C., Barbieri, M. A., Tsai, M., Tam, S., Galli, S. J.
2007; 109 (12): 5308-5317
- **RabGEF1 regulates stem cell factor/c-Kit-mediated signaling events and biological responses in mast cells** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Kalesnikoff, J., Rios, E. J., Chen, C. C., Nakae, S., Zabel, B. A., BUTCHER, E. C., Tsai, M., Tam, S. Y., Galli, S. J.
2006; 103 (8): 2659-2664
- **Chronic hypoxia elevates intracellular pH and activates Na⁺/H⁺ exchange in pulmonary arterial smooth muscle** *AMERICAN JOURNAL OF PHYSIOLOGY-LUNG CELLULAR AND MOLECULAR PHYSIOLOGY*
Rios, E. J., FALLON, M., Wang, J., Shimoda, L. A.
2005; 289 (5): L867-L874