



Stephen J. Galli, MD

Mary Hewitt Loveless, MD, Professor in the School of Medicine and Professor of Pathology and of Microbiology and Immunology

Bio

BIO

In 1999, I became chair of the Department of Pathology (and finished my tenure in that role on April 30, 2016), the Mary Hewitt Loveless, MD Professor, and a professor of pathology and of microbiology and immunology at Stanford University School of Medicine. I am also a member of the Executive Committee of the Stanford Institute for Immunity, Transplantation and Infection. From 2009-2016, while chair of pathology, I also was Co-Director of the Stanford Center for Genomics and Personalized Medicine.

I received a BA in biology in 1968 from Harvard College, a BMS in 1970 from Dartmouth Medical School (then a two year school) and the MD in 1973 from Harvard Medical School (HMS), and completed a residency and chief residency in Anatomic Pathology at Massachusetts General Hospital (MGH) in 1977. After postdoctoral training with Harold F. Dvorak at MGH, I joined the HMS faculty in 1979 as assistant professor of pathology, became professor of pathology in 1993, and, until moving to Stanford, served as director of the Division of Experimental Pathology at Beth Israel Deaconess Medical Center and a member of the HMS Committee on Immunology.

My research focuses on the development and function of mast cells and basophils (major effector cells in allergic disorders) and the development of new animal models for studying the roles of these cells in health and disease. I have particular interests in the roles of these cells in anaphylaxis, food allergies, and asthma, and in the roles of mast cells and IgE in innate and acquired host defense against venoms.

ACADEMIC APPOINTMENTS

- Professor, Pathology
- Professor, Microbiology and Immunology
- Member, Bio-X
- Member, Cardiovascular Institute
- Member, Wu Tsai Human Performance Alliance
- Member, Maternal & Child Health Research Institute (MCHRI)
- Member, Stanford Cancer Institute

ADMINISTRATIVE APPOINTMENTS

- Chair, Stanford University School of Medicine - Pathology, (1999-2016)

HONORS AND AWARDS

- Gold-Headed Cane Award, American Society for Investigative Pathology (2024)

- Lifetime Honorary Membership Award, Stanford Health Care (2022)
- Distinguished Career Achievement Award, Geisel School of Medicine at Dartmouth, Hanover, NH (2020)
- Dottorato di Ricerca Honoris Causa in Medicina Clinica e Sperimentale (Honorary PhD), University of Naples Federico II (2019)
- Karl Landsteiner Medal, Austrian Society of Allergology and Immunology (2014)
- Rous-Whipple Award, American Society for Investigative Pathology (2014)
- Scientific Achievement Award, World Allergy Organization (2011)
- Faculty Mentor Award for Postdoctoral Education, Immunology Program, Stanford University School of Medicine (2010)
- President's Award for Excellence Through Diversity, Stanford University (2010)
- Highly Cited Researcher (Immunology), ISI Highly Cited (2006)
- Scientific Achievement Award, International Association of Allergy & Clinical Immunology (1997)
- MERIT Award (AI/CA 23990, "Regulation of mast cell development and function"), NIAID/NIH (1995-2006)
- Karin Grunebaum Cancer Research Foundation Fellowship, Harvard Medical School (1971-1972)
- B.M.S. with honors, Dartmouth Medical School (1970)
- B.A., magna cum laude in Biology, Harvard College (1968)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Chair, National Academy of Medicine Membership Committee, USA (2024 - present)
- Chair, Section 4, National Academy of Medicine, USA (2021 - 2023)
- Foreign Member, Società Nazionale di Scienze, Lettere e Arti (Academy of Medical Sciences), Naples, Italy (2019 - present)
- Vice-Chair, Institute of Medicine of the National Academies, USA (renamed in 2015 to the National Academy of Medicine) (2019 - 2021)
- Member, Sigma Xi (2017 - present)
- Overseas Fellow, Royal Society of Medicine (London) (2017 - present)
- Fellow, Center for Innovation in Global Health, Stanford University (2016 - present)
- Fellow, American Association for the Advancement of Science (2015 - present)
- Member, American Clinical and Climatological Association (2015 - present)
- Member, National Allergy and Infectious Diseases Council of the National Institutes of Health (2014 - 2019)
- Board of Consulting Editors, Journal of Clinical Investigation (2012 - present)
- Member, National Academy of Medicine (2010 - present)
- Editorial Board, The Annual Review of Pathology: Mechanisms of Disease (2004 - present)
- Foreign Member in the Physical, Mathematical, and Natural Sciences Class, Accademia Nazionale dei Lincei (2001 - present)
- Editorial Board, Laboratory Investigation (1997 - present)
- Member, Association of American Physicians (1997 - present)
- Advisory Editor, Journal of Experimental Medicine (1993 - 2011)
- Member, American Society for Clinical Investigation (1991 - present)
- Member; Past: President, Pluto Club (Association of University Pathologists) (1986 - present)
- Member of Council; Past: President, Vice President, Secretary, Collegium Internationale Allergologicum (1984 - present)
- Member; Past: President, Vice President, American Society for Investigative Pathology (1982 - present)
- Member, American Association of Immunologists (1980 - present)
- Fellow, American Association for the Advancement of Science (1975 - present)

LINKS

- Galli Lab: <http://gallilab.stanford.edu/>

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Mast cells, which normally reside in the tissues, and basophils, which circulate in the blood, are major effector cells of asthma and other IgE-associated allergic disorders (e.g., anaphylaxis, food allergy, allergic rhinitis, atopic dermatitis, and asthma) and in immune responses to parasites. However, mast cells also have been implicated (as effector and/or immunoregulatory cells) in many other settings.

For example, our lab has shown that mast cells can enhance innate and acquired immune responses that help to reduce the toxicity and mortality induced by arthropod and reptile venoms, which may represent a major evolutionary benefit of mast cells (and IgE antibodies). There also is evidence that mast cells can contribute to host responses to pathogens other than parasites, such as bacteria and viruses, and can have potential beneficial or harmful effects in diverse immunological or inflammatory disorders that are not thought to involve IgE. Finally, mast cells have been implicated in many processes that maintain homeostasis or regulate tissue remodeling, such as angiogenesis, wound healing, the regulation of epithelial and mesenchymal cell development and function, and interactions with sensory nerves.

The goals of Dr. Galli's laboratory are to develop and employ genetic approaches in mice to understand the regulation of mast cell and basophil development and the expression of mast cell and basophil function, and to elucidate the roles of these cells in health and disease. In parallel with these mouse studies, we investigate the roles of mast cells and basophils in human health and disease by conducting studies of human mast cells and basophils in vitro, or by analyzing specimens derived from patients with food allergy, asthma, atopic dermatitis, or other disorders in which mast cells or basophils have been implicated.

In addition to studies focused on mast cells and basophils, the Galli lab also analyzes immunological mechanisms which underlie the development of severe allergies, such as those to certain foods, and the immunological regulatory mechanisms that can be engaged therapeutically to reduce the severity of these disorders or ameliorate them, e.g., via the induction of desensitization or tolerance. Finally, we are attempting to define "biomarkers", such as changes in the levels of surface structures on circulating basophils, which can be used to monitor the severity of allergic disorders and/or the patients' responses to immunotherapy or other therapeutic interventions.

Teaching

COURSES

2025-26

- Seminar in Immunology: IMMUNOL 311 (Aut, Win, Spr)

STANFORD ADVISEES

Postdoctoral Faculty Sponsor

Jelle Folkerts, Paula van Tienen

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Immunology (Phd Program)
- Microbiology and Immunology (Phd Program)

Publications

PUBLICATIONS

- **Identification of Shared Regulators of IgE- and MRGPRX2-Dependent Degranulation in Human Mast Cells.** *Allergy*
Folkerts, J., van Tienen, P., de Bruijn, M. J., van IJcken, W. F., Hendriks, R. W., Stadhouders, R., Tam, S. Y., Galli, S. J.
2026
- **Distinct phosphoinositide signatures orchestrate FcεRI versus MRGPRX2 mast cell secretion.** *iScience*
Omari-Manaa, S., Aharonov, R., Galli, S. J., Ali, H., Sagi-Eisenberg, R.
2026; 29 (4): 115457
- **Obituary: Professor Dietrich Kraft (1937-2026) ALLERGY**
Breiteneder, H., Bohle, B., Hoffmann#Sommergruber, K., Valenta, R., Wiedermann, U., Akdis, C. A., Akdis, M., Bousquet, J., Chapman, M. D.,
Ferreira, F., Galli, S. J., Johansson, G. S., Pawankar, et al
2026
- **The addition of dupilumab enhances desensitization and reduces gastrointestinal symptoms in omalizumab-facilitated multi-allergen oral immunotherapy in the COMBINE trial**
Sindher, S., Long, A., Garcia-llorett, M., Leonard, S., Mastej, E., Bogetic, D., Parsons, E., Cao, S., Beaulieu, M., Woch, M., Martinez, K., Raeber, O.,
Anderson, et al
MOSBY-ELSEVIER.2026
- **A phase 2 randomized controlled trial using biologics to improve multi OIT outcomes (COMBINE): design, rationale, and methods.** *Frontiers in allergy*
Long, A. J., Sindher, S., Martinez, K., Choi, J. H., Albarran, M., Schuetz, J., Parry, A., Tang, J., Garcia Llorett, M., Zedeck, S. S., Grissinger, A.,
Kiernan, E., Leonard, et al
2025; 6: 1729111
- **B cell mechanisms in peanut oral immunotherapy**
Hoh, R., Joshi, S., Scott, M., Singhal, A., Lee, J. Y., Haraguchi, E., Pursell, T., Fernandez-Becker, N., Tsai, M., Kasowski, M., Galli, S., Chinthrajah,
R., Nadeau, et al
WILEY.2025
- **Peanut allergy oral immunotherapy drives single-cell multi-omic changes in peanut-reactive T cells associated with sustained unresponsiveness.** *Nature immunology*
Han, X., Skatova, V., Mikelov, A., Ji, X., Hoh, R. A., Lee, J. Y., Cao, S., Seastedt, H., Schuetz, J., Fernandes, A., Singhal, A., Grubert, F., DeKruyff, et
al
2025
- **Mouse and human mast cells can release pre-stored CSF1.** *The Journal of allergy and clinical immunology*
Galli, S. J.
2025
- **Discovery and Mechanistic Insights into Vascular Permeability Factor/Vascular Endothelial Growth Factor through the Work of Harold F. Dvorak and Ann M. Dvorak.** *The American journal of pathology*
Galli, S. J.
2025; 195 (8): 1360-1362
- **Evolution of Mast Cell Research Associated with the Laboratory of Allergic Diseases: 1985-2022 Presented at 2023 NIAID Symposium.** *The Journal of allergy and clinical immunology*
Komarow, H. D., Nilsson, G., Okayama, Y., Mekori, Y. A., Olivera, A., Valent, P., Hartmann, K., Brockow, K., Cruse, G., Lyons, J. J., Klion, A. D., Akin,
C., Gotlib, et al
2025
- **A hand-operated microfluidic sample preparation-to-analysis workflow for simplifying the basophil activation test.** *Lab on a chip*
Castano, N., Chua, K., Nguyen, A., Marshall, W., Hofmann, G. H., Lee, J., Tsai, M., Sindher, S. B., Nadeau, K. C., Chinthrajah, R. S., Galli, S. J.,
Tang, S. K.
2025
- **Evaluation of a method to simplify sample preparation for basophil activation tests**

- Castano, N., Nguyen, A., Cai, N., Lee, J., Marshall, W., Chua, K., Hofmann, G., Somen, D., Cao, S., Tsai, M., Desai, M., Sindher, S., Chinthrajah, et al
MOSBY-ELSEVIER.2025: AB45
- **Baseline Epitope-Specific IgE Profiles are Predictive of Sustained Unresponsiveness or High Threshold One-Year Post OIT in the POISED Trial.** *The Journal of allergy and clinical immunology*
Suprun, M., Eun Lee, A. S., Getts, R., Peck, S., Sindher, S. B., Nadeau, K. C., Chinthrajah, R. S., Galli, S. J., Sampson, H.
2024
 - **Role of allergen immunotherapy and biologics in allergic diseases.** *Current opinion in immunology*
Zhou, X., Simonin, E. M., Jung, Y. S., Galli, S. J., Nadeau, K. C.
2024; 91: 102494
 - **Association of cytotoxic effector memory CD8+ T cells with sustained unresponsiveness after peanut oral immunotherapy.** *Allergy*
Seastedt, H., Han, X., Fernandes, A., Galli, S. J., Boyd, S. D., Nadeau, K. C., Manohar, M., Chinthrajah, S.
2024
 - **Harmonization of Diagnostic Criteria in Mastocytosis for Use in Clinical Practice: WHO vs ICC vs AIM/ECNM.** *The journal of allergy and clinical immunology. In practice*
Valent, P., Hartmann, K., Hoermann, G., Reiter, A., Alvarez-Twose, I., Brockow, K., Bonadonna, P., Hermine, O., Niedoszytko, M., Carter, M. C., Butterfield, J. H., Siebenhaar, F., Zanotti, et al
2024
 - **Elucidating allergic reaction mechanisms in response to SARS-CoV-2 mRNA vaccination in adults.** *Allergy*
Shah, M. M., Layhadi, J. A., Hourcade, D. E., Fulton, W. T., Tan, T. J., Dunham, D., Chang, I., Vel, M. S., Fernandes, A., Lee, A. S., Liu, J., Arunachalam, P. S., Galli, et al
2024
 - **Mast cell beta1 integrin localizes mast cells in close proximity to blood vessels and enhances their rapid responsiveness to intravenous antigen.** *The Journal of allergy and clinical immunology*
Galli, S. J.
2024
 - **Mast cell secretory granule fusion with amphisomes coordinates their homotypic fusion and release of exosomes.** *Cell reports*
Omari, S., Roded, A., Eisenberg, M., Ali, H., Fukuda, M., Galli, S. J., Sagi-Eisenberg, R.
2024; 43 (7): 114482
 - **The origins, manifestations, and potential treatments of allergic disorders.** *Seminars in immunology*
Vercelli, D., Galli, S. J.
2024; 73: 101886
 - **Mast Cell Activation Syndrome: current understanding and research needs.** *The Journal of allergy and clinical immunology*
Castells, M., Giannetti, M. P., Hamilton, M. J., Novak, P., Pozdnyakova, O., Nicoloso-SantaBarbara, J., Jennings, S. V., Francomano, C., Kim, B., Glover, S. C., Galli, S. J., Maitland, A., White, et al
2024
 - **Mast cells: a novel therapeutic avenue for cardiovascular diseases?** *Cardiovascular research*
Poto, R., Marone, G., Galli, S. J., Varricchi, G.
2024
 - **Spatiotemporal Immune Cells Profiling in Gastrointestinal Tissue Biopsies to Detect Oral Immunotherapy Induced Changes in Peanut Allergic Individuals**
Kaushik, A., Angoshtari, R., Kwow, S., Kambham, N., Fernandez-Becker, N., Manohar, M., Angelo, M., Galli, S., Nadeau, K., Dekruyff, R., Chinthrajah, S.
MOSBY-ELSEVIER.2024: AB371
 - **Epigenetic Mechanisms In Allergic Diseases During Pregnancy**
Simonin, E., Jung, Y., Tsai, M., Boyd, S., Chinthrajah, S., Galli, S., Nadeau, K.
MOSBY-ELSEVIER.2024: AB376
 - **Efficacy of peanut oral immunotherapy is not impacted by the development of persistent gastrointestinal symptoms**

- Sindher, S., Thompson, J., Boyd, S., Galli, S., Nadeau, K., Chinthrajah, S.
MOSBY-ELSEVIER.2024: AB121
- **Can artificial intelligence (AI) replace oral food challenge?** *The Journal of allergy and clinical immunology*
Tang, S. K., Castaño, N., Nadeau, K. C., Galli, S. J.
2024
 - **Combining avidin with CD63 improves basophil activation test accuracy in classifying peanut allergy.** *Allergy*
Castaño, N., Chua, K., Kaushik, A., Kim, S., Cordts, S. C., Nafarzadegan, C. D., Hofmann, G. H., Seastedt, H., Schuetz, J. P., Dunham, D., Parsons, E. S., Tsai, M., Cao, et al
2023
 - **EVO756 is a novel MRGPRX2 antagonist that potently inhibits human mast cell degranulation in response to multiple agonists - potential treatment for CSU and beyond**
Harden, J., Folkerts, J., Tam, S., Frischbutter, S., Babina, M., Hofland, H. E., Patel, J. P., Maurer, M., Galli, S. J.
ELSEVIER SCIENCE INC.2023: S344
 - **Nomenclature of allergic diseases and hypersensitivity reactions: Adapted to modern needs: An EAACI position paper.** *Allergy*
Jutel, M., Agache, I., Zemelka-Wiacek, M., Akdis, M., Chivato, T., Del Giacco, S., Gajdanowicz, P., Gracia, I. E., Klimek, L., Lauerma, A., Ollert, M., O'Mahony, L., Schwarze, et al
2023
 - **Landscape of mast cell populations across organs in mice and humans.** *The Journal of experimental medicine*
Tauber, M., Basso, L., Martin, J., Bostan, L., Pinto, M. M., Thierry, G. R., Houmadi, R., Serhan, N., Loste, A., Bleriot, C., Kamphuis, J. B., Grujic, M., Kjellen, et al
2023; 220 (10)
 - **The normal range of baseline tryptase should be 1-15 ng/ml and covers healthy individuals with hereditary alpha tryptasemia.** *The journal of allergy and clinical immunology. In practice*
Valent, P., Hoermann, G., Bonadonna, P., Hartmann, K., Sperr, W. R., Broesby-Olsen, S., Brockow, K., Niedoszytko, M., Hermine, O., Chantran, Y., Butterfield, J. H., Greiner, G., Carter, et al
2023
 - **Conditional neutrophil depletion challenges their contribution to mouse models of anaphylaxis.** *Allergy*
Stackowicz, J., Gillis, C. M., Godon, O., Iannascoli, B., Conde, E., Leveque, E., Worrall, W. P., Galli, S. J., Bruhns, P., Reber, L. L., Jonsson, F.
2023
 - **Baseline Epitope-Specific IgE Profiles are Predictive of Sustained Unresponsiveness One Year Post OIT in the POISED Trial**
Lee, A., Suprun, M., Getts, R., Peck, S., Sindher, S., Nadeau, K., Chinthrajah, R., Galli, S., Sampson, H.
MOSBY-ELSEVIER.2023: AB120
 - **Multiplexed Tissue Imaging for Immune Cells Profiling During Peanut Allergy Immunotherapy**
Kaushik, A., Angoshtari, R., Kwow, S., Kambham, N., Fernandez-Becker, N., Manohar, M., Angelo, M., Galli, S., Nadeau, K., Dekruyff, R., Chinthrajah, S.
MOSBY-ELSEVIER.2023: AB34
 - **Allergy: Mechanistic insights into new methods of prevention and therapy** *SCIENCE TRANSLATIONAL MEDICINE*
Akdis, C. A., Akdis, M., Boyd, S. D., Sampath, V., Galli, S. J., Nadeau, K. C.
2023; 15 (679)
 - **Allergy: Mechanistic insights into new methods of prevention and therapy.** *Science translational medicine*
Akdis, C. A., Akdis, M., Boyd, S. D., Sampath, V., Galli, S. J., Nadeau, K. C.
2023; 15 (679): eadd2563
 - **CD8+ T cell differentiation status correlates with the feasibility of sustained unresponsiveness following oral immunotherapy.** *Nature communications*
Kaushik, A., Dunham, D., Han, X., Do, E., Andorf, S., Gupta, S., Fernandes, A., Kost, L. E., Sindher, S. B., Yu, W., Tsai, M., Tibshirani, R., Boyd, et al
2022; 13 (1): 6646
 - **New Insights Into the Pathogenesis of Mastocytosis: Emerging Concepts in Diagnosis and Therapy.** *Annual review of pathology*
Valent, P., Akin, C., Sperr, W. R., Horny, H., Arock, M., Metcalfe, D. D., Galli, S. J.

2022

- **IN MEMORIAM : Lawrence M. Lichtenstein (1934-2022).** *Allergy*
Marone, G., Triggiani, M., Casolaro, V., Stellato, C., de Paulis, A., Holgate, S. T., Akdis, C. A., Galli, S. J.
2022
- **An optimized protocol for phenotyping human granulocytes by mass cytometry.** *STAR protocols*
Vivanco Gonzalez, N., Oliveria, J., Tebaykin, D., Ivison, G. T., Mukai, K., Tsai, M. M., Borges, L., Nadeau, K. C., Galli, S. J., Tsai, A. G., Bendall, S. C.
2022; 3 (2): 101280
- **Dynamin Related Protein 1 Differentially Regulates FcepsilonRI- and SP-induced Mast Cell Activation.** *The Journal of allergy and clinical immunology*
Wang, Y., Yu, M., Matsushita, K., Liu, C., Ishihara, N., Nomura, M., Tsai, M., Galli, S. J.
2022
- **KIT as a master regulator of the mast cell lineage.** *The Journal of allergy and clinical immunology*
Tsai, M., Valent, P., Galli, S. J.
2022
- **Exponential magnetophoretic gradient for the direct isolation of basophils from whole blood in a microfluidic system.** *Lab on a chip*
Castano, N., Kim, S., Martin, A. M., Galli, S. J., Nadeau, K. C., Tang, S. K.
2022
- **Drug-Induced Mast Cell Eradication: A Novel Approach to Treat Mast Cell Activation Disorders?** *The Journal of allergy and clinical immunology*
Valent, P., Akin, C., Hartmann, K., Reiter, A., Gotlib, J., Sotlar, K., Sperr, W. R., Degenfeld-Schonburg, L., Smiljkovic, D., Triggiani, M., Horny, H., Arock, M., Galli, et al
2022
- **Development of Basophil Activation Test (BAT)-based point-of-care diagnostic tool for allergies**
Ha, J., Castano, N., Cansdale, S., Vel, M., Tang, S., Tsai, M., Nadeau, K., Galli, S.
MOSBY-ELSEVIER.2022: AB48
- **Gastrointestinal $\gamma\delta$ T cells reveal differentially expressed transcripts and enriched pathways during peanut oral immunotherapy.** *Allergy*
Zhang, W., Krishna Dhondalay, G., Liu, T. A., Kaushik, A., Hoh, R., Kwok, S., Kambham, N., Fernandez-Becker, N. Q., Andorf, S., Desai, M., Galli, S. J., Boyd, S. D., Nadeau, et al
2022
- **Mast cells partly contribute to allergic enteritis development: findings in two different mast cell-deficient mice.** *Allergy*
Blanco-Perez, F., Gonzalez-Menendez, I., Stassen, M., Kato, Y., Laino, J., Kirberg, J., Krause, M., Martella, M., Shibata, N., Quintanilla-Martinez, L., Feyerabend, T. B., Rodewald, H., Galli, et al
2021
- **Updated Diagnostic Criteria and Classification of Mast Cell Disorders: A Consensus Proposal.** *HemaSphere*
Valent, P., Akin, C., Hartmann, K., Alvarez-Twose, I., Brockow, K., Hermine, O., Niedoszytko, M., Schwaab, J., Lyons, J. J., Carter, M. C., Elberink, H. O., Butterfield, J. H., George, et al
2021; 5 (11): e646
- **The longitudinal basophil activation tests predict long-term safety and efficacy of peanut OIT therapy**
Cao, S., Tsai, M., Mukai, K., Tibshirani, R., Sindher, S., Nadeau, K. C., Galli, S. J., Chinthrajah, R. S.
WILEY.2021: 7
- **Updated Diagnostic Criteria and Classification of Mast Cell Disorders: A Consensus Proposal** *HEMASPHERE*
Valent, P., Akin, C., Hartmann, K., Alvarez-Twose, I., Brockow, K., Hermine, O., Niedoszytko, M., Schwaab, J., Lyons, J. J., Carter, M. C., Elberink, H., Butterfield, J. H., George, et al
2021; 5 (11)
- **Neutrophil-specific gain-of-function mutations in Nlrp3 promote development of cryopyrin-associated periodic syndrome.** *The Journal of experimental medicine*
Stackowicz, J., Gaudenzio, N., Serhan, N., Conde, E., Godon, O., Marichal, T., Starkl, P., Balbino, B., Roers, A., Bruhns, P., Jonsson, F., Moguelet, P., Georgin-Lavialle, et al

2021; 218 (10)

- **Assessment of Allergic and Anaphylactic Reactions to mRNA COVID-19 Vaccines With Confirmatory Testing in a US Regional Health System.** *JAMA network open*
Warren, C. M., Snow, T. T., Lee, A. S., Shah, M. M., Heider, A., Blomkalns, A., Betts, B., Buzzanco, A. S., Gonzalez, J., Chinthrajah, R. S., Do, E., Chang, I., Dunham, et al
2021; 4 (9): e2125524
- **The role of Sp140 revealed in IgE and mast cell responses in Collaborative Cross mice.** *JCI insight*
Matsushita, K., Li, X., Nakamura, Y., Dong, D., Mukai, K., Tsai, M., Montgomery, S. B., Galli, S. J.
2021; 6 (12)
- **Accurate and Reproducible Diagnosis of Peanut Allergy Using Epitope Mapping.** *Allergy*
Suarez-Farinas, M., Suprun, M., Kearney, P., Getts, R., Grishina, G., Hayward, C., Luta, D., Porter, A., Witmer, M., du Toit, G., Lack, G., Chinthrajah, R. S., Galli, et al
2021
- **IgE antibodies increase honeybee venom responsiveness and detoxification efficiency of mast cells.** *Allergy*
Starkl, P., Gaudenzio, N., Marichal, T., Reber, L. L., Sibilano, R., Watzenboeck, M. L., Fontaine, F., Mueller, A. C., Tsai, M., Knapp, S., Galli, S. J.
2021
- **Immune Changes Beyond Th2 Pathways During Rapid Multifood Immunotherapy enabled with Omalizumab.** *Allergy*
Manohar, M., Dunham, D., Gupta, S., Yan, Z., Zhang, W., Minnicozzi, S., Kirkey, M., Bunning, B., Chowdhury, R. R., Galli, S. J., Boyd, S. D., Kost, L. E., Chinthrajah, et al
2021
- **Proceedings from the Inaugural American Initiative in Mast Cell Diseases (AIM) Investigator Conference.** *The Journal of allergy and clinical immunology*
Gotlib, J., George, T., Carter, M. C., Austen, K. F., Bochner, B., Dwyer, D., Lyons, J., Hamilton, M. J., Butterfield, J., Bonadonna, P., Weiler, C., Galli, S. J., Schwartz, et al
2021
- **Basophil activation tests identify a peanut OIT subgroup with improved safety and outcomes**
Chinthrajah, S., Cao, S., Tsai, M., Mukai, K., Tibshirani, R., Sindher, S., Nadeau, K., Galli, S.
MOSBY-ELSEVIER.2021: AB166
- **Transcriptome programming of IL-3-dependent bone marrow-derived cultured mast cells by stem cell factor (SCF).** *Allergy*
Wang, Y. n., Matsushita, K. n., Jackson, J. n., Numata, T. n., Zhang, Y. n., Zhou, G. n., Tsai, M. n., Galli, S. J.
2021
- **Proposed Diagnostic Criteria and Classification of Canine Mast Cell Neoplasms: A Consensus Proposal.** *Frontiers in veterinary science*
Willmann, M., Yuzbasiyan-Gurkan, V., Marconato, L., Dacasto, M., Hadzijusufovic, E., Hermine, O., Sadovnik, I., Gamperl, S., Schneeweiss-Gleixner, M., Gleixner, K. V., Bohm, T., Peter, B., Eisenwort, et al
1800; 8: 755258
- **Letter by Varricchi et al Regarding Article, "Role of IgE-FcεR1 in Pathological Cardiac Remodeling and Dysfunction".** *Circulation*
Varricchi, G., Rengo, G., Galli, S. J.
2021; 144 (13): e214-e215
- **E-cadherin is regulated by GATA-2 and marks the early commitment of mouse hematopoietic progenitors to the basophil and mast cell fates.** *Science immunology*
Wanet, A. n., Bassal, M. A., Patel, S. B., Marchi, F. n., Mariani, S. A., Ahmed, N. n., Zhang, H. n., Borchiellini, M. n., Chen, S. n., Zhang, J. n., Di Ruscio, A. n., Miyake, K. n., Tsai, et al
2021; 6 (56)
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