2022 Activities (Jan 2022 - Dec 2022)
Dermatology Research Lab (RC-1 South, 4th Floor)

Mayumi Fujita, M.D., Ph.D.
Professor of Dermatology
Professor of Immunology & Microbiology
Director of 4th fl. Dermatology Research Lab
Dermatology Research Lab
(RC-1 South, 4th Floor)

Tissue Culture Room

Lab Hallway

8 Bays (16 Benches)
Our Research Topics

**Biological and molecular mechanisms** (Transcription factors, epigenetics, genetics)

**Melanocytes** (pigment-producing cells)

**Skin pigmentation**

**Vitiligo** (Loss of melanocytes)

**Melanoma** (cancer of melanocytes)

**Immune cells** (Treg cells, CD4 T cells, CD8 T cells, dendritic cells) and cytokines
2022 Department of Dermatology Appreciation Event, Dec 9, 2022

Dermatology Research Lab
(RC-1 South, 4th Floor)

(Alphabetically arranged)
Expression Differences in BCL2 Family Members between Uveal and Cutaneous Melanomas Account for Varying Sensitivity to BH3 Mimetics

Nabanita Mukherjee, Takeshi Yamauchi, Carol M Amato, Adam Honig-Frand, James R Lambert, Karoline A Lambert, William A Robinson, Richard P Tobin, Martin D McCarter, Kasey L. Couts, Mayumi Fujita, David A Norris, Yiqun G Shellman

Affiliations + expand
PMID: 34942200 PMCID: PMC9635014 (available on 2023-07-01) DOI: 10.1016/j.jid.2021.11.035

Alcohol as a Non-UV Social-Environmental Risk Factor for Melanoma

Takeshi Yamauchi, Sarah Shangraw, Zili Zhai, Dinoop Ravindran Menon, Nisha Batta, Robert P Dellavalle, Mayumi Fujita

Affiliations + expand
PMID: 36291794 PMCID: PMC9599745 DOI: 10.3390/cancers14205010 Free PMC article
Publication (non-melanoma)

SAM1 domain of SASH1 harbors distinctive structural heterogeneity

Christopher M Clements, Beat Vögeli, Yiqun G Shellman, Morkos A Henen

Affiliations + expand
PMID: 36341956 DOI: 10.1016/j.jsb.2022.107914

Expression of IL-37 Induces a Regulatory T-Cell-like Phenotype and Function in Jurkat Cells

Douglas Grant Osborne, Joanne Domenico, Mayumi Fujita

Affiliations + expand
PMID: 36010641 PMCID: PMC9406943 DOI: 10.3390/cells11162565
Free PMC article

- Mayumi Fujita, Douglas Grant Osborne, Maki Nakayama: U.S. Provisional Patent 63/390,259 (filed on 7/18/22)
  - “Modified CD4+ T cells expressing IL-37 and methods of use thereof”
Fellowship Awards & Meeting Travel Award

Melanoma Research Alliance
Dermatology Fellows Award

Travel award to attend the meeting, “Toxic Metabolites in the Biology of Ageing and Cancer” (East Sussex, UK)

Takeshi Yamauchi, PhD
Funding ($$$)

**Continued in 2022**
- Cancer League of Colorado (Fujita, Dinarello)
- Cancer League of Colorado (Shellman, McCarter)
- NIH NCI R01 (Fujita)
- NIH NIAID R01 (Fujita)
- NIH NIAMS R01 (Shellman)
- NIH NIAAA R21 (Fujita)
- UCCC-NORC Pilot Award (Fujita)
- VA Merit Award (Fujita)
- VA Merit Award (Norris)

**New Funding in 2022**
- Cancer League of Colorado (Marchetti, Fujita)
- Cancer League of Colorado (Shellman, Tobin)
- Cancer League of Colorado (Stewart, Fujita)
- CU ASPIRE grant (Huang)
- NIH R01 (Huang, Potter, Sullivan)
- Pfizer contract (pre-clinical) (Birlea)
- Pfizer contract (clinical) (Birlea)
- SPARK Colorado award (Shellman)
- VA Merit Award, bridge fund (Fujita)

**Pending**
- Many others

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Stanca Birlea, MD, PhD  Mayumi Fujita, MD, PhD
Mingxia Huang, PhD  David A Norris, MD
Yiqun Shellman, PhD  Tamara Terzian, PhD
New Members (2022)

Kenneth Meza Monge, MD (PRA)

Interests: applying to residency programs, research, health advocacy for minorities, Crossfit, geography, social volunteering, travel, and learning about new cultures.

Derek Strassheim, PhD (Research Associate)

Interests: food, music, sports, literature, movies, art, gardening, home improvement, travel, my moto - "live and let live"

Landon Tomb, MS (PRA)

Interests: skiing and hiking with my dogs
Lab Managers

Nate Goldstein, MS

Hong Li, PhD

Zili Zhai, PhD

Karoline Lambert, MS

Kimtrang Nguyen, BS
Happy Holidays!