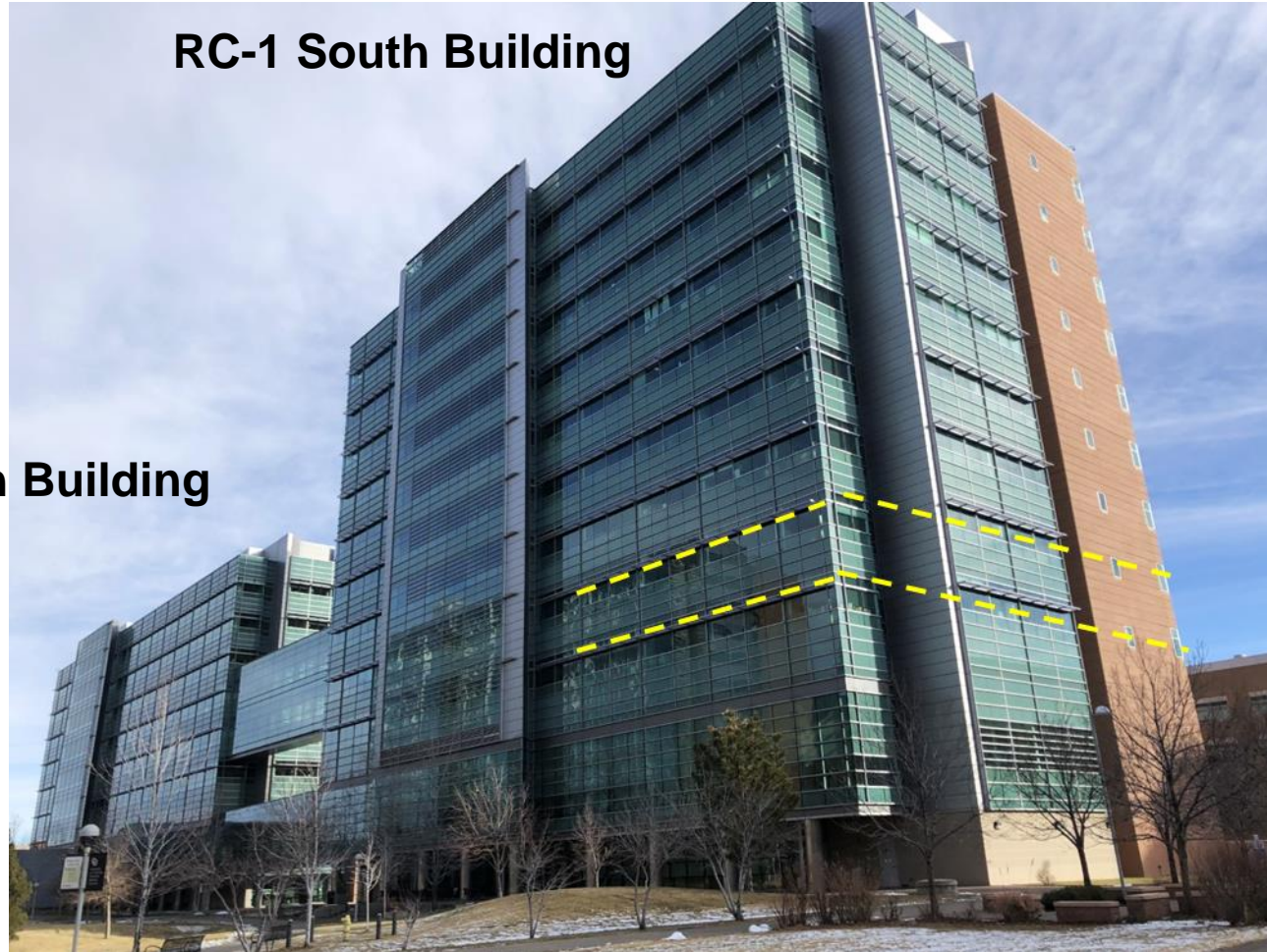




2022 Activities (Jan 2022 - Dec 2022)

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



RC-1 South Building

RC-1 North Building

Mayumi Fujita, M.D., Ph.D.
Professor of Dermatology
Professor of Immunology & Microbiology
Director of 4th fl. Dermatology Research Lab

← **4th floor
South Portion**



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



Tissue Culture Room



Lab Hallway



8 Bays (16 Benches)

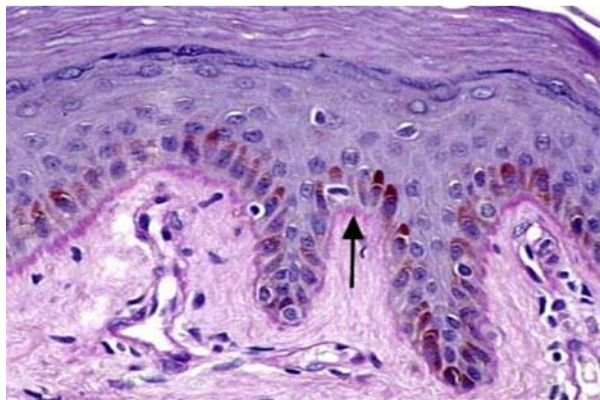


Our Research Topics

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

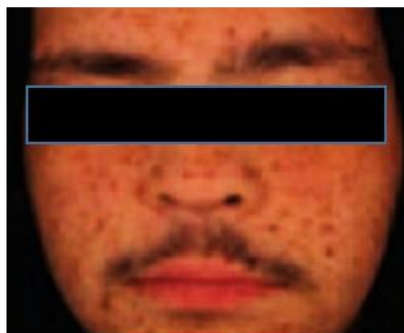
Melanocytes

(pigment-producing cells)



HE of normal skin (CD dermpath 01_027)

Skin pigmentation



(J Invest Dermatol 135:3192, 2015)

Vitiligo
(Loss of melanocytes)



(DermAtlas Johns Hopkins _1_030203)

Melanoma
(cancer of melanocytes)

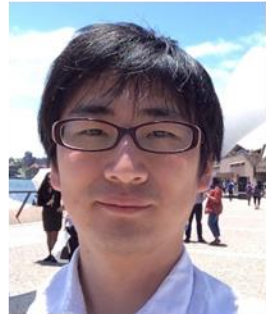
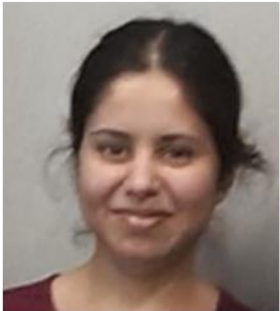
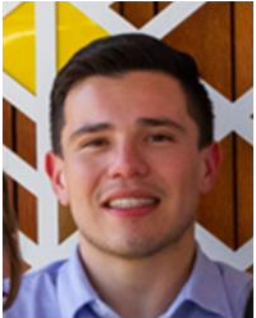


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Immune cells (Treg cells, CD4 T cells, CD8 T cells, dendritic cells) and cytokines



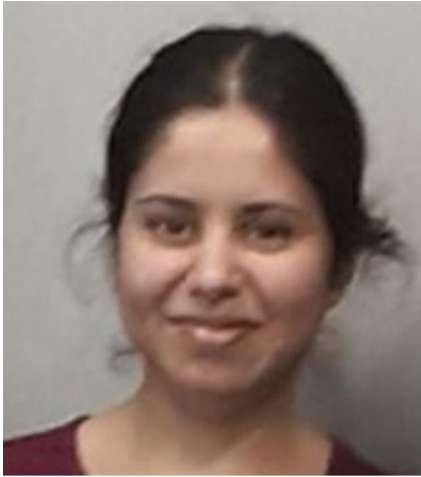
Dermatology Research Lab (RC-1 South, 4th Floor)



(Alphabetically arranged)



Publication (melanoma)



Nabanita Mukherjee, PhD

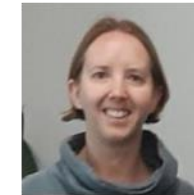
> *J Invest Dermatol.* 2022 Jul;142(7):1912-1922.e7. doi: 10.1016/j.jid.2021.11.035. Epub 2021 Dec 20.

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

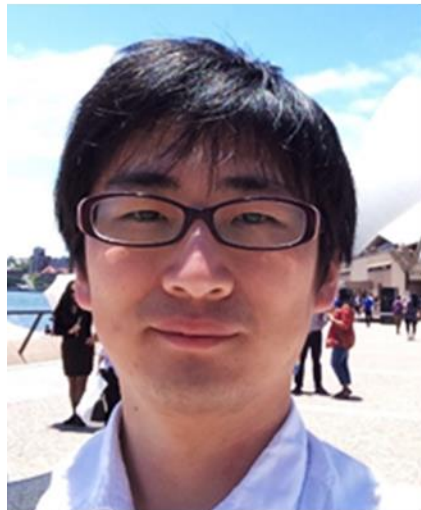
Nabanita Mukherjee¹, Chiara R Dart², Carol M Amato³, Adam Honig-Frand³, James R Lambert⁴, Karoline A Lambert¹, William A Robinson³, Richard P Tobin⁵, Martin D McCarter⁵, Kasey L Coutts³, Mayumi Fujita⁶, David A Norris⁷, Yiqun G Shellman⁸

Affiliations + expand

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



Corresponding Author



Takeshi Yamauchi, PhD

Review > *Cancers (Basel).* 2022 Oct 13;14(20):5010. doi: 10.3390/cancers14205010.

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

Takeshi Yamauchi¹, Sarah Shangraw¹, Zili Zhai¹, Dinoop Ravindran Menon¹, Nisha Batta¹, Robert P Dellavalle^{1 2 3}, Mayumi Fujita^{1 2 4}

Affiliations + expand

PMID: 36291794 PMID: PMC9599745 DOI: 10.3390/cancers14205010

[Free PMC article](#)



Corresponding Author



Publication (non-melanoma)



Christopher Clements, BS

> J Struct Biol. 2022 Dec;214(4):107914. doi: 10.1016/j.jsb.2022.107914. Epub 2022 Oct 29.

SAM1 domain of SASH1 harbors distinctive structural heterogeneity

Christopher M Clements¹, Beat Vögeli², Yiqun G Shellman³, Morkos A Henen⁴

Affiliations + expand

PMID: 36341956 DOI: 10.1016/j.jsb.2022.107914



Co-Corresponding Author



Douglas Grant Osborne, PhD

> Cells. 2022 Aug 18;11(16):2565. doi: 10.3390/cells11162565.

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

Douglas Grant Osborne¹, Joanne Domenico¹, Mayumi Fujita^{1 2 3}

Affiliations + expand

PMID: 36010641 PMCID: PMC9406943 DOI: 10.3390/cells11162565

[Free PMC article](#)



Corresponding Author

- **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**



Takeshi Yamauchi, PhD

Melanoma
Research Alliance

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



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)

\$\$\$



Stanca Birlea, MD, PhD



Mayumi Fujita, MD, PhD

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)

\$\$\$\$



Mingxia Huang, PhD



David A Norris, MD

Pending

- Many others

\$\$\$\$



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



Dermatology Admin Team



Joyce Nelson



Linda Min



Sethe Tucker



Kyle Osborn



Happy Holidays!

